

The Ledger



JACQUES-JEAN TIZIOU

DANCE

PHILLY'S GOT TALENT

On Oct. 6, the Westphal College of Media Arts & Design brought Philadelphians to their feet for an immersive public dance performance inside the Barnes Foundation. The all-day spectacle explored the tension between public and private experiences by uniting professional and amateur dancers to perform work by renowned modern dance choreographer Boris Charmatz (pictured here leading a warm up). Charmatz is one of the most important figures in modern dance working today and his company has presented major performances at the Museum of Modern Art and the Tate Modern in London, among others. This second annual Philadelphia Museum of Dance project was organized at the Barnes in partnership with Drexel's dance program.

200+

Number of dancers who participated, including more than 60 Drexel students.

6

Duration in hours of the public performances inside the Barnes.

2,000

Number of people who came to watch the performances.

\$300,000

Grant from the Pew Center of Arts & Heritage in support of the event.



THE VIEW FROM MAIN

I am so impressed when young Drexel graduates hit the ground running, and each year’s “40 under 40” list provides new and inspiring examples — as you will discover in this issue of *Drexel Magazine*. From my perspective, learning about the many paths taken by our alumni also reaffirms the steps your alma mater is taking to better prepare tomorrow’s graduates.

Our approach is rooted in the classroom and lab, as well as the workplace and in our neighborhoods — as you might expect from a university that excels in experiential learning.

Since the Drexel co-op is career-making for so many of our students, we are always looking for ways to grow the ranks of corporate and nonprofit partners who make possible these experiences. At the same time, we want to encourage entrepreneurship at every turn. Both goals are wrapped up in our plans for Schuylkill Yards, which is coming together now, just outside 30th Street Station. Look for the dedication this spring of a beautiful new public park, Drexel Square, the centerpiece of the new development and the first major construction project. Meanwhile, the gene therapy startup, Spark Therapeutics, will be the first anchor tenant at Schuylkill Yards, creating 500 new jobs at the refurbished Bulletin Building at 3025 Market Street.

I see great potential for co-op placements and start-up ventures at Schuylkill Yards. In the meantime, the \$750 million Campaign for Drexel offers exciting possibilities to support student success, research discovery and innovation, teaching and learning, and other University priorities. This is a campaign that is squarely focused on human capital — specifically, student scholarships, endowed faculty chairs and academic program funds. We reached \$500 million in August, less than a year following the Campaign’s public launch, and we can thank many alumni and friends for helping us make such great strides.

I hope you join me in sharing the excitement about Drexel’s overall progress and momentum, and the Campaign. Congratulations to our “40 under 40” alumni, and thank you for your continued support.

Sincerely,

John A. Fry / President

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Forty Under

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EDITOR'S LETTER

Jobs of the Future

If you live in the region, chances are you’ve seen a bus or a billboard or a television spot about Drexel’s co-op program. The high-profile branding push is part of Drexel’s refreshed Ambition Can’t Wait message, which uses current events and realism to emphasize that our graduates come out of college already adapted to an evolving economy and a changing world.

In fact, preparing students for the future has been the mission of co-op since 1919, when Drexel President Hollis Godfrey created the program in a spirit of patriotism, post-Armistice, to give students the technical preparation to make their services of more value to the country.

This fall, we’ll begin a year-long celebration of that mission to mark the 100th anniversary of the program (more on that later).

In the meantime, we have superb evidence that the mission of the Drexel Co-op Program is alive and well today in the successes of the 40 Under 40 featured in this edition.

A striking number of the honorees this year have careers in fields that barely existed not long ago. Fields like virtual reality and artificial intelligence require an inventive and entrepreneurial mindset that flourishes in Drexel’s curriculum. Meanwhile, rapid changes in the legal status of marijuana have meant opportunities for people like Kate Steinberg, who does outreach for the medical marijuana dispensary Curaleaf; and for the inventors of GrowFlux, an agricultural lighting system; and for an alumnus who is using a robotics degree to build cannabis plant pruning machinery.

It’s easy to follow a path well-trod; Drexel’s approach to education is to anticipate where trails will be blazed next.

So, while Drexel prepares for a grand party next year to commemorate co-op’s centennial, I know that many graduates honor co-op daily through successful careers and satisfying work, and I’d be happy to hear from alumni of all ages about what co-op meant to you. Drop me an email, or leave a comment online at drexelmagazine.org, and share your favorite co-op story. We’d love to include some co-op memories in the fall magazine.

Sonja Sherwood

Sonja Sherwood / Editor



ABOUT THE COVER
Illustrated collage by Ryan Olbrysh.

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LETTERS



I have a fondness for good alumni magazines and I’ve never included Drexel’s in that list before. But the fall 2018 issue is stellar. I loved the article on the Beneficial Savings bank reclamation — it was our bank for years when we lived in the city — and the article on the efforts of the Naloxone Outreach Project in Kensington, the factoids on the space program and the clean-up at the Academy of Natural Sciences were all of interest. Keep up the good work. I’m passing this issue along to a friend; I’ve never before felt the magazine merited that tribute. Congratulations on a really fine issue.

JUDITH HAHN TOMAN
BS home economics ’72, MS home economics ’74
Charlotte, North Carolina

Classy glossy mag. The Kline Law building beautifully captures the rich architecture and detail of the historic Beneficial Savings bank building, now well restored and commissioned to a new use.

Drexel’s core science program manifests in four astronaut alumni, as well as probably thousands of engineering alumni like me who have worked in the space program for decades. The International Space Station is a marvel of engineering and ingenuity — an immense structure orbiting some 245 to 250 miles (recent average 405 km equals 248 miles) above Earth in an orbit having an about 51-degree inclination, which allows it to overfly Drexel on occasion.

Thus, it is about 245 to 250 miles distant from whatever location on Earth it is directly above, but that cannot be the “average distance” from anywhere on Earth as asserted in the spread on the opening page of the magazine. With an orbital period of about 92 minutes, only 46 minutes after it passes over Drexel and is 245 to 250 miles away, it is half way around the Earth and so it is the diameter of the Earth plus 245 to 250 miles (about 7,918+248 = 8,166 miles) away.

CLEMENT BERARD JR.
MS electrical engineering ’69
Glen Allen, Virginia

Editor’s note: It seems as if there are as many estimates for the space station’s “average distance” from Earth on the internet as there are stars. This editor finally went with 240 miles because it was cited in NASA’s “Reference Guide to the International Space Station:”

“Low-Earth orbit at 51 degrees inclination and at a 90-minute orbit affords ISS a unique vantage point with an altitude of approximately 240 miles (400 kilometers) and an orbital path over 90 percent of the Earth’s population.”

That estimate can only be accurate when the ISS is directly over Drexel, of course.

CORRECTION In the fall 2018 issue, William Norman (BS ’05, MS ’07) was incorrectly listed in Friends We’ll Miss. Happily, he is alive and well.

Drexel
MAGAZINE

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Safety for Lifesavers

A Drexel research group is developing measures to prevent violence against ambulance workers. By Frank Otto

In one moment, Ben Vernon was walking up to a routine call. In the next, he was struggling to breathe after an attacker with a knife put a hole in his lung. Three years after that terrifying incident, Vernon spoke at a conference where Drexel University researchers are hoping to finalize a checklist to help medics like him recover from — and ultimately avoid — on-the-job attacks.

Last summer, Drexel’s Center for Firefighter Injury Research and Safety Trends (FIRST) invited representatives from fire departments with EMS services across the country to a Drexel conference to discuss the best ways to protect their workers. Hosted by the center’s director, Dornsife School of Public Health Associate Professor Jennifer Taylor, the goal of the event was to compile a system-level protocol that fire departments can use to identify, assess and prevent violence against EMS personnel.



JEFF FUSCO



“We anticipate that it will improve morale, decrease burnout and inspire greater communication between leadership and the rank and file on the issue of workplace stress and violence.” —Jennifer Taylor

(CONT.)

“The checklist will provide everything from training on what to expect on the job, to communication innovations, to after-care for physical — and mental — injuries,” Taylor says. “It has a large emphasis on policy development and training so that members feel prepared and supported.”

For example, one part of the checklist asks departments whether they have a system in place to flag certain locations where violence against first responders has occurred in the past. If so, it then asks that dispatchers be trained to warn crews heading to the scene of the hazard so that they’re prepared.

Other parts of the checklist cover how departments might manage the aftermath of a violent attack, including strategies for mindfully handling lingering anxiety and stress.

Taking such precautions is of the utmost importance because medics in fire departments are 14 times more likely to be violently injured on the job than their firefighter colleagues, past research by FIRST found.

“I think workers downplay this violence and the community doesn’t know about it and the stress that it causes,” Taylor explains. “Workers have internalized the belief that getting attacked is ‘part of the job’ because nothing has changed for so long and no one had been paying attention to their plight.”

Conference attendees from the three municipal fire departments brought the checklist back to their firehouses to test it out and determine how well it addresses the violence, stress and anxiety that too many EMS workers deal with on the job. Taylor and her team are working closely with the Philadelphia, Chicago and San Diego fire departments to implement the checklist and hope that it is adopted nationally and internationally.

“We anticipate that it will improve morale, decrease burnout and inspire greater communication between leadership and the rank and file on the issue of workplace stress and violence,” Taylor says. “My hope is that the organizations for whom the medics work will take a long look inside to see what more they can be doing to have the backs of their workers out in the community doing such demanding and hazardous work.”

RANKINGS

Drexel Lands in Top 8% on List of American Universities

This year’s *Wall Street Journal and Times Higher Education* College Rankings saw Drexel jump to 74th out of 968 other colleges and universities across the country, landing in the top 8 percent of America’s institutions of higher education. When compared solely to private universities, Drexel ranks 36th.

“Drexel’s continued strong showing is a result of the many improvements we have made recently in the quality of our teaching and experiential learning, as well as in attracting and retaining outstanding students,” President John Fry says. “The ranking also demonstrates the critical value of the Drexel Co-op program.”

The methodology used by *The Wall Street Journal and Times Higher Education* values the outcomes of student success, especially after graduation. This differs from other rankings, such as the *U.S. News & World Report*’s annual “Best Colleges” list, that place more emphasis on college placement test scores and acceptance rates.

ENTREPRENEURSHIP



New Civic Startup

In his pre-junior year, Evan Ehlers, one of the first matriculated members of Drexel’s Charles D. Close School of Entrepreneurship’s inaugural class, experienced something that changed his life so profoundly that he was inspired to take the knowledge he’d learned in class and the experience he gained on co-op to form his own socially charitable startup.

In an effort to use up meal swipes that were about to expire, he went to the dining hall and swiped his card until he couldn’t swipe it anymore. He then took all those meals, piled them up in his car and drove around the city giving the containers of food out to people who needed it. He soon realized he could do this every day — and on a bigger scale, and with more students involved, to help even more people. That realization led Ehlers in 2016 to found Sharing Excess, a standardized donation program that allows students to donate excess meal swipes to community members in need. In April 2018, the company also found a home at the Baiada Institute for Entrepreneurship, a startup incubator in the Close School.

“I couldn’t think of a better thing to get up for in the morning,” says Ehlers.

Ehlers and Sharing Excess were named one of the winners at *The Philadelphia Inquirer*’s 2018 Stellar StartUps Competition.



For more about Drexel’s research enterprise, see EXEL Magazine at exelmagazine.org.

Research

ARTS AND SCIENCES

UNDERSTANDING OUR ORIGINS

A new way to look at the universe — by studying high-energy particles called “neutrinos” — is opening up thanks to researchers working with a South Pole observatory. Through the IceCube particle detector, College of Arts and Sciences’ Assistant Professor Naoko Kurahashi Neilson and her team were able to show that neutrinos originate from blazars — giant, oval-shaped galaxies theorized to have spinning supermassive black holes at their center that blast out radiation. That’s significant because “everything we know about astronomy is photons,” according to Neilson.



SPORT MANAGEMENT

Downfall of ‘Athletic Villages’

Karen Weaver, associate clinical professor in Drexel’s Center for Sport Management and co-author of the study “Big Time Athletic Villages — Gated Communities Emerging on Campus,” is raising the alarm about the concept of “athletic villages,” which coaches believe will enhance the togetherness of their team. Instead, Weaver and co-author Jordan Tegtmeier warn that the exclu-

sivity of these compounds may further segregate athletes from the campus population, possibly causing significant social and personal drawbacks.

MEDICINE



Kidney Transplant Access

When states expanded Medicaid to cover more low-income individuals under the Affordable Care Act (ACA), there was a significant boost in the number of chronic kidney disease

patients with Medicaid coverage who were placed on the kidney transplant waiting list, according to a new study led by Drexel University researchers. The study suggests that Medicaid expansion may have helped to bridge racial and socioeconomic health disparities. In expansion states, the proportion of new black listings with Medicaid coverage increased by 4 percentage points, and the proportion of new Hispanic listings with Medicaid coverage increased

by 5.9 percentage points; while new white listings increased only 1.4 percentage points.

PUBLIC HEALTH

Universities and Policy

Dornsife School of Public Health Assistant Professor Jonathan Purtle surveyed 475 state legislators and found that just 27 percent use research from higher education to inform their policy work. His study in *Psychiatric Services* also broke down survey responses by political party and found that 34 percent

of Democrats identified universities as a primary source of behavioral health research information, while just 19 percent of Republicans did. “Historically, university researchers have mainly asked research questions that are of interest to themselves and other university researchers,” says Purtle. “I think legislators don’t turn to university researchers because they don’t think they’ll have information that is relevant to the policy decisions they face.”

PUBLIC HEALTH



Shifting Attitudes Toward Pot

A new report shows that young people’s attitudes toward pot have become more positive in recent years as more states including Pennsylvania have legalized medical marijuana — but that shift in attitudes doesn’t seem to have affected use. “This is important because many people fear that legalizing marijuana will lead to greater use and potential

abuse,” says Philip Massey, an assistant professor in the Dornsife School of Public Health.

ENGINEERING



Spray-On Antennas?

A breakthrough by researchers in the College of Engineering could make installing an antenna as easy as applying some bug spray. In research published in *Science Advances*, the group reports on a method for spraying invisibly thin an-

tennas, made from a type of two-dimensional, metallic material called MXene, that perform as well as those being used in mobile devices, wireless routers and portable transducers. “The ability to spray an antenna on a flexible substrate or make it optically transparent means that we could have a lot of new places to set up networks,” says Kapil Dandekar, who is a co-author and a professor of electrical and computer engineering.

[illegible]

Support for Local Public Schools

The Drexel Exelon Foundation/PECO Community Education Collaborative aims to improve educational outcomes over the next two years for students at Morton McMichael School and Samuel Powel Elementary with a particular focus on STEM education.

PECO and Exelon Foundation provided an initial contribution in the form of a \$1 million grant and a second grant of \$500,000 was awarded to support the initiative in 2014.

The successes at Powel and McMichael made possible by this grant were important components in the neighborhood's ability to secure a \$30 million grant for a West Philadelphia Promise Zone from the federal government in 2016, and for leveraging millions of dollars in private sector support for needs there.

Save *The Triangle*

“We were able to avoid this situation a few times before,” says current *Triangle* Editor-in-Chief Mike Avena, a fifth-year information systems major in the College of Computing & Informatics.

In the meantime, the staff are working with Drexel's Office of Institutional Advancement, which is helping to promote the fundraising campaign through the Drexel Fund website, as well as through marketing outreach and purchasing ad space in the paper to raise awareness of the campaign. To donate or advertise, visit thetriangle.org/donate.

Thanks for Your Support!

2/3

The Campaign better positions the University to nurture talent and opportunities that can creatively address emerging societal needs and Drexel's own growth. Since its quiet phase began in December 2013, approximately 22,300 alumni have engaged with Drexel by attending events, volunteering or donating. The fundraising effort has also supported over 150 new endowed scholarships and more than eight endowed professorships.

Though the Campaign is projected to conclude on June 30, 2021, it has already surpassed the University's previous campaign record of \$455 million.



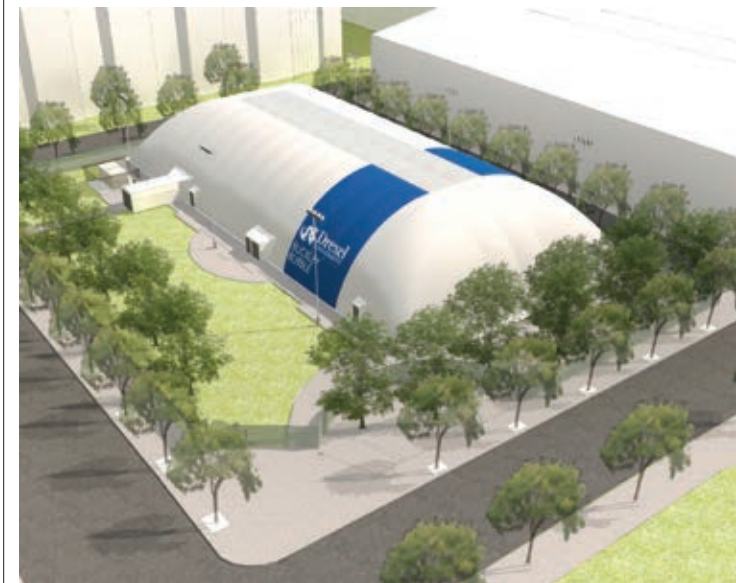
A Solo Run to Stop Soldier Suicide

As an active-duty member of the military having served in the Navy for nearly 12 years, Gabby is well aware of issues surrounding veterans' mental health — and the ways they are exacerbated by isolations and stigma.

Gabby's goal to raise \$2,200 (veterans are at a 22 percent higher risk for suicide than their peers) was surpassed by \$600, thanks in part to support from the Drexel community.

Gabby said he has enjoyed being a part of the tight-knit veterans community at Drexel, which is fortified by its participation in the Veterans Task Force and the Yellow Ribbon Program.

Armory: A New Home for Athletics



Renovation plans were announced for the two-block stretch of 33rd Street adjacent to the University's indoor varsity and recreational sports complexes, which will expand its athletics and events space, and bring in US Squash, the national governing body of the sport of squash, as a new tenant and developer of the Pennsylvania Armory.

The comprehensive plan reimagines 33rd Street between Lancaster Avenue and Race Street as a locus of sports for the University community and beyond. Drexel will construct a seasonal, domed athletics facility and continue to work with the Commonwealth of Pennsylvania to complete restoration of the Pennsylvania Armory throughout the current academic year. US Squash will begin construction of the Arlen Specter US Squash Center in spring 2019.

Funded by the generous support of alumnus and Athletics Hall of Famer Robert Buckley ('58) and trustee Stan Silverman ('69, '74), the dome on 33rd street, along with a similar structure, installed concurrently at Vidas Athletic Complex on 43rd and Powelton Avenue, will provide Drexel with 44,572 square feet of programming space with sport-specific surfaces, lighting and climate control.

Drexel Advances on Top 100 patents list

The report, which uses United States Patent and Trademark Office data to demonstrate how patents reflect university research and innovation, ranked Drexel at 54, as compared to last year's standing of 72. In this year's list, Drexel is in a three-way tie with Emory University and Indiana University.

"Drexel's ranking among the top universities in the world is a direct reflection of the creativity, innovation and entrepreneurship of our faculty and students," says Senior Associate Vice Provost for Technology Commercialization Bob McGrath of Drexel Ventures. "Their drive to find novel solutions to challenges and problems makes all of this possible."



Aroutis Foster of the School of Education was a guest on Drexel University Online's "Drexel's 10,000 Hours" podcast.

On view were John Galanos' ensembles alongside a rich array of sketches and photographs.



ENGAGEMENT

Experts Shine in New Podcast

A new podcast called "Drexel's 10,000 Hours" from Drexel University Online lets students and outsiders see professors in a whole new light.

Named after the popular Malcolm Gladwell concept that it takes 10,000 hours of practice to gain expertise, the series aims to give faculty an informal, non-academic platform to discuss their work and their lives. The end result is a personal (and often humorous) narrative that connects their research to their identities outside of the classroom, digging into their childhoods, first jobs and hobbies.

The first season features six 20-minute episodes, each focusing on different faculty members. The series is hosted by Maurice Baynard, a research scientist, educator and ed-tech entrepreneur who has taught at Drexel in the past.

The podcast isn't just a way to help students feel more connected to the faculty, however. It's also a chance for Drexel to show off a bit.

"Drexel faculty are known worldwide for their excellence and expertise," says Susan Aldridge, president of Drexel University Online. "With this podcast, they have a platform to talk about their work in a different way and reach an entirely new audience. We hope this also gives those outside of the Drexel community the opportunity to learn from them and engage with subjects they may not have been exposed to before."

COLLECTION



Designing a Legendary Tribute

The Robert and Penny Fox Historic Costume Collection of Drexel's Westphal College of Media Arts & Design presented a retrospective exhibition of work by renowned fashion designer James Galanos, considered by his peers to be one of the greatest and most creative of American designers of the 20th century.

The exhibition, *James Galanos: Design Integrity*, placed his work in the context of American fashion from the post-war period through the 1990s and celebrated his innovative approach to construction and embellishment. The exhibition drew heavily from the primary materials of the James G. Galanos Archive at Drexel, creating an immersive experience and allowing for a greater understanding of this intensely private designer.

The exhibition was made possible by support from the Richard C. von Hess Foundation, the Coby Foundation Ltd. and the Iris & B. Gerald Cantor Foundation.

COMMUNITY

Data for Safer Streets

Through a partnership between Philadelphia nonprofit Congreso and Drexel's Urban Health Collaborative at the Dornsife School of Public Health, researchers have charted neighborhood-specific violence numbers in parts of eastern North Philadelphia that are home to the city's Latino population.

Those numbers were unveiled publicly on a new website, NUAVNow.org, accessible to neighborhood-based community organizations, which can use the data and maps in back-up requests for grants. Standing for "Neighborhood United Against Violence," NUAV aggregates data from different sources, all customized to describe violence and related factors in eastern North Philadelphia, and displayed through mapping. The neighborhoods are spread across multiple city police and public health districts, so numbers specific to this community are not easy to find.

NUAVNow also includes a continuously updated, map-driven directory of violence prevention resources such as behavioral health programs and youth development services.

"We hope it becomes a go-to source for anyone trying to figure out trends," says Amy Eusebio, director of Family Wellness at Congreso, which seeks to boost the economic self-sufficiency of the city's Latino community.

POORTRAIT OF JAMES GALANOS WITH MODEL PAT JONES, CIRCA 1960. COURTESY THE JAMES G. GALANOS ARCHIVE AT DREXEL UNIVERSITY.



Jennifer Cline
DPH '17

Rad Grad

HOMELESSNESS

"My doctoral work was all related to homelessness because I saw a huge disconnect between mainstream health care and those individuals."

Jennifer Cline is treating homeless populations in her area of northern Kentucky as the leader of an on-the-street team that provides support whenever and wherever it is needed. — *Alissa Falcone*

For her job, Jennifer Cline DPH '17 carries around a backpack. Not necessarily a big, hulking, hiking backpack, but a relatively large one. And it needs to be filled with everything she needs on a given day.

Narcan nasal spray, which can help reverse an opioid overdose. Sanitary wipes. Saline rinse. Wound care supplies. Ace wraps. Neosporin and other topical medications. Over-the-counter medications. Tylenol and Advil. Peroxide for wound cleaning. Foot care supplies for blisters and calluses. Ointments for burns. Heat and cold packs. Cotton pads. Suture kits.

"What I put in my backpack is constantly changing, because there's always something that needs to be added or replaced," she says.

Cline is a board-certified nurse practitioner working as the only health care provider for "Open Door: Homeless to Home," an innovative new mobile homeless street outreach program in northern Kentucky that formed in 2017. Since graduating with her doctorate of nursing practice from Drexel's College of Nursing and Health Professions in 2017, Cline has worked as part of a three-person team that regularly roams the streets (and the woods, and the parking lots, and under bridges and anywhere they need to be) to provide medical care, prescriptions, social work and mental health services to homeless populations.

Cline is constantly seeking out and treating people with a wide range of medical problems, and because it's just her and her backpack, that means she has to be prepared for, well, anything.

"My clinic is my backpack," says Cline.

In one typical 10-month period, Cline treated about 250 individuals, with about 450 to 500 contacts total including repeat visits.

"The rewarding thing is to engage them as human beings,

because there is a lot of bias from the community and people who don't want 'these people' next to them," says Cline. "There are patients who couldn't meet my eye at first because they were so ashamed and now they have so much confidence."

Though Cline had years of volunteering experience, she didn't begin working full-time with homeless populations until after she graduated from Drexel. Before starting at the University, Cline had built up a 34-year nursing career. She completed Drexel's program while still living in Kentucky and maintaining her active clinical practice.

"My doctoral work was all related to homelessness because I saw a huge disconnect between mainstream health care and those individuals," she says.

One of her last practicum experiences was with Welcome House of Northern Kentucky, which offers "Open Door: Homeless to Home." Just as she was wrapping up her degree the organization received unsolicited funds to create a mobile homeless team, and Cline was invited to develop the team she now works on.

"It's so serendipitous that every class I had, I could relate something to homelessness and then my project perfectly lined up with the timing of the research team being formed," she says.

Cline's team recently won a highly competitive large grant to create a mobile clinic, or a "little clinic on wheels," as she described it, to provide their physical, mental and social services in a more secure and private manner. The van will be parked in strategic locations at set times of the day so people will know where to go for help when they need it.

Cline will still carry around her backpack, of course — "I don't think that will go away," she laughs.



Malcom Jenkins interacting with youth at a Young Dragons camp in 2016.



COMMUNITY

PUBLIC HEALTH

WELL Center Clinic Opens

The standard advice on weight loss — count calories, exercise daily — only works if people can stick with it, and there are plenty of psychological obstacles that can get in the way, according to Evan Forman, a psychology professor in Drexel's College of Arts and Sciences. Similarly, those with eating disorders have problematic eating patterns and psychological relationships to food that are remarkably difficult to change.

To address this, Forman and his colleagues opened the WELL Center Clinic — a new outpatient clinic located at 3101 Market St. in University City — that provides evidence-based treatment for weight management, eating disorders and related conditions, all under one roof.

The clinic is an offshoot of Drexel's Center for Weight, Eating and Lifestyle Science (WELL Center), which aims to develop new behavioral and technological solutions for treating obesity and disordered eating.

It offers treatment strategies that include behavioral weight loss treatment, cognitive behavioral therapy and acceptance-based behavior treatment.

Jenkins, Drexel Expand Camp

The Malcolm Jenkins Foundation expanded its partnership with Drexel's Expressive and Creative Interaction Technologies (ExCITE) Center and Lindy Center for Civic Engagement to offer a summer camp for local students to learn, experiment and experience the interplay between science, technology, engineering, arts, athletics and mathematics (STEAM).

Initially piloted with the ExCITE Center in 2016, Summer STEAM offers middle school students living near Drexel's campus the opportunity to participate in arts-science learning activities. Starting in 2017, the Young Dragons program merged the Summer STEAM curriculum with the established literacy and enrichment programs of the Lindy Center for Civic Engagement for a free six-week camp. The day camp — open to students entering fifth through eighth grades — was held at Drexel again this past summer.

As part of the camp, students in Young Dragons explored music technology (acoustics and sound synthesis), visual arts (geometry and drawing/painting), computer game design and coding, dance (biology and movement) and athletics (sports science and technology). New modules illustrated the basics of engineering behind the design of sneakers and building music-playing robots.

The Young Dragons program has been designed specifically to meet the needs of children living in close proximity to Drexel. This two-square-mile is a federally designated "Promise Zone" due to challenges it faces associated with persistent poverty.

"The Malcolm Jenkins Foundation is thrilled to be part of this unique collaboration that is having a tremendous impact on Philadelphia youth," says Malcolm Jenkins, Eagles safety and the founder and chairman of The Malcolm Jenkins Foundation.

Gabby Frost in a Buddy Project shirt she designed.



PUBLIC HEALTH

Mental Wellness, One Tweet at a Time

Since she was 15, Gabby Frost, a junior music industry major in the Westphal College of Media Arts & Design, has been running Buddy Project (buddy-project.org), a nonprofit she founded that pairs young adults struggling with mental health issues with available resources, support and "buddies" to talk with online.

After seeing for herself how people talk about suicide and mental health issues on social media, Frost started Buddy Project by creating a Google Doc that people could add their names to in order to be paired with a "buddy" to chat with on Twitter or Instagram based on similar interests and ages.

In the first 12 hours, over 3,000 people signed up. Today, the number is over 225,000.

"I just thought it would be something I did when I wasn't doing anything else," says Frost. "But now I can't imagine not being involved with Buddy Project."

Buddy Project has grown offline to include a campus rep program in which volunteers in middle school, high school and college spread awareness about mental wellness on their campuses.

"I'm hoping that in the future, more people are open to talking about mental health and supporting platforms that foster those conversations," she says.

GABBY FROST © LEXI SHANNON

EXPERIENTIAL LEARNING

A Campus and Industry Nexus

Combining academics with co-op and industry connections is what Drexel does best, and LeBow College of Business took those relationships a step further this year with the launch of the Drexel Business Solutions Institute. The institute, in partnership with the Steinbright Career Development Center, will draw upon faculty and students from across the University to provide organizations with talent pipelines and development solutions, and with interdisciplinary research-based solutions to

business and societal challenges. By supporting comprehensive partnerships with industry, the institute will help create more relevant interdisciplinary programs and enable firms to effectively address their needs. The institute will also be Drexel's gateway for industry to reframe co-op partnerships, and its work will have a direct, beneficial impact on students' experience by fostering a business-solutions approach that better prepares them for success in a rapidly changing society.

"We look forward to its leveraging Drexel's extensive assets to enhance the University as a center of innovative learning and high-impact research," says President John Fry of the institute.

Gerri C. LeBow Hall will house the Drexel Business Solutions Institute.



LEBOW HALL © JEFF FUSCO



The purchase of the West Philadelphia Community Center will supplement the University's community programs; among them, youth karate classes.

COMMUNITY

Drexel Acquires West Philadelphia Community Center

Four years after the Dana and David Dornsife Center for Neighborhood Partnerships opened its doors to the Powelton and Mantua communities, Drexel announced plans to expand programming offered to the community with the purchase in June 2018 of the West Philadelphia Community Center.

The center is a two-story, 37,000-square-foot facility at 3512 Haverford Ave. that has been home to childcare services and after-school and summer programs for the neighborhood since 1986. Caring People Alliance (CPA) owned and operated the space but will be relocating to another facility. The programs run by CPA will continue at the center for another year while the University works with local residents to determine how the facility can enrich both Drexel faculty and students engaged in community-facing research, teaching and service, and residents from Mantua and Powelton Village and throughout West Philadelphia.

The purchase was made possible with the support of a gift from Dana and David Dornsife, who are also the benefactors of Drexel's Dornsife Center for Neighborhood Partnerships, Dornsife School of Public Health and Dornsife Office of Experiential Learning in Drexel's LeBow College of Business.

Show and Tell

CO-OP PROGRAM

JACOB ZEITZEW SENIOR, MECHANICAL ENGINEERING '18

Every year, more than 5,700 students discover their careers through the Drexel Co-op program — a signature model of education that balances classroom theory with job experience within a buzzing network of nearly 1,700 co-op employers in 52 countries. What does a Drexel co-op look like? In this regular feature, we ask a student fresh off a recent co-op to show us. — *Alissa Falcone*

THE CO-OP

One of the things I worked on at Exelon was to display one of the startups that we were incubating, plus I built a virtual reality (VR) app. We had created partnerships with Nissan and BMW and took VR cameras to shoot 360-degree footage that I stitched together to make software to display it. And then I used Unity, a game development platform, to publish an app with some interesting functionality that displays the footage.

Google Glass
smart glasses

THE OBJECT

I'm holding Google Glass smart glasses because wearable technology, augmented reality and VR were related to each of the three co-ops I had at Drexel. My first co-op was in France for a startup called Optivent that manufactured, designed and implemented smart glasses. We created technology for hospitals to use when EMTs were transporting patients, so doctors and nurses would be prepared to receive the patient. My second co-op was at the Children's Hospital of Pennsylvania, where I built applications for smart glasses — one of the things I did there was build pediatric medical devices and then a VR app to treat amblyopia (lazy eye) with new dichoptic methods. My third co-op was an "intrapreneurship" co-op at Exelon, which incubated new energy startups. That was focused on VR as well.



THE TAKEAWAY

In my co-ops, I've had to learn in software development roles even though it's not technically my major, and I know I really like working with people who develop that kind of software. After graduation, I'm focusing on my startup company, UpTalk. We're automating marketing software. A lot of people use customer relationship management technologies as databases, but there's a lot of functionality you can do with that by utilizing machine learning. And so our goal is to make software that you don't have to think about using — because the learning curve to use that kind of software is very real. We're trying to make software that essentially uses itself.

JEFF FUSCO

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Jennifer Brank
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FROM THE DAC

GEAR

Drexel Athletics Just Did it

A new agreement between Drexel and Nike means that student-athletes will wear the best schwaq of them all: the swoosh. By Mike Unger

Over the summer, the Drexel Athletics Department signed a five-year deal that will ensure (almost) all Dragon student-athletes will wear Nike when they compete, train and travel.

"If Nike offers it, our teams are using it or wearing it," says Nick Gannon, deputy athletic director.

The partnership, which began July 1, includes numerous incentives in the form of discounts and rewards for on-field achievements, along with additional marketing and promotional opportunities. While several of the University's teams wore Nike in the past (both basketball teams have been outfitted by Nike for years), the deal, which includes supplier BSN SPORTS, formalizes the relationship between the school and the iconic company.

"This agreement further boosts the brand of Drexel Athletics," Director of Athletics Eric Zillmer said in a statement. "By partnering with these industry leaders we really believe that this will enhance the experience of our student-athletes. Drexel Athletics is committed to the advancement of our programs and this agreement is part of the process."

When the Drexel Athletics Department began examining signing an all-sports apparel deal, Gannon says it considered Nike, Adidas and Under Armour.

"Because of the brand power of Nike, as well as our history with Nike, we went in that direction," he says.

Men's lacrosse, which will continue to wear New Balance and Warrior, is exempt from the deal. In addition, the swimming and crew teams also won't wear Nike while competing, but team members will sport the swoosh when they're in the weight room or heading to a competition. Club sports will be encouraged — but not required — to wear Nike.

More than 40 years after former University of Oregon runner Phil Knight and his college



"If you walk in our hallways, all the student-athletes are wearing the same Nike workout gear. It creates a sense of home." — Nick Gannon

coach, Bill Bowerman, founded Nike, its name has become nearly synonymous with sports. The Beaverton, Oregon-based company has more than 74,000 employees and in 2015 reported revenue of more than \$30 billion. It counts some of the world's most popular athletes, including Michael Jordan, LeBron James and Serena Williams, on its roster of endorsers.

Brendan Armstrong, Drexel's head equipment manager, thinks that most athletes — regardless of their ability — like wearing the brand. He has worked at other, non-Nike schools, and he believes Nike to be the best.

"Kids want to go to a place that has good schwaq," he says. "They want their uniforms to be a positive reflection of them and their playing careers. Nike has been doing it so long. They're the world leaders. It's performance enhancing. A lot of the items they come out with get copped by other manufacturers. It breathes really well, it fits really well and it looks really good."

That visual identity will be seen around the globe on the torsos, legs and feet of Drexel student-athletes. The men's basketball team traveled to Australia in August. Previously, it visited China and Turkey.

"Cementing the relationship from a financial standpoint helps us, but associating with Nike, the largest apparel company in the world, from a branding standpoint is a no-brainer," Gannon says. "Uniformity across teams is a great thing. If you walk in our hallways, all the student-athletes are wearing the same Nike workout gear. It creates a sense of home, which is what we're trying to build here. There's a common commitment, and I think Nike is another unifier."



ERIC MILLER

FROM THE DAC



"I realized my real passion was more for how food affects the body and Drexel had the only master's program in Pennsylvania that counted toward a registered dietitian credential. So it was Drexel or bust for me."
— Leslee Sholomskas

SPORTS NUTRITION

She Minds Footballers' Menus

Working behind the scenes first at the Super Bowl for the Philadelphia Eagles and now for the University of Minnesota's Golden Gophers, nutritionist Leslee Sholomskas '16 teaches football players how to eat the perfect balance of calories to perform like champions. By Mike Unger

During her year as a sports performance nutrition intern for the Philadelphia Eagles, Leslee Sholomskas says she had her "finger in a lot of different pies."

To be clear, there were no sweets involved. Hydration products, recovery shakes and protein-rich superfoods: yes. Sugary desserts: no.

"Every player on the team got an individualized recovery shake, which I created based on their preferences and body composition goals," says Sholomskas, who is a registered dietitian and licensed dietitian with a master's in science. "I would make them after every single practice or every single lift. I managed the fueling bar, I would do meal and supplement plans, and a lot of player education."

Sholomskas got her undergraduate degree in biology from Penn State, and thought she wanted to be a doctor. But while she was working at a cancer lab at the University of Pennsylvania, she started spending all her free time in the gym and online researching nutrition to ward off stress.

"I realized my real passion was more for how food affects the body," she says. "That's when I knew I wanted to become a registered dietitian, and Drexel had the only master's program in Pennsylvania that counted toward a registered dietitian credential. So it was Drexel or bust for me."

Sholomskas landed the what-was-supposed-to-be-a-two-week internship with the Eagles in April 2017, but the team asked her to stay on through training camp. When the season started she became the franchise's first-ever sports performance nutrition intern.

She won't divulge the specifics of her recovery shake recipes (Cowboys or Giants could be reading this article), but they were generally protein-based concoctions with additional supplements.

"There was fruit in there for the antioxidants, protein to help rebuild

muscle, and if they needed to gain weight we'd add elements like peanut butter and oats to give them extra calories," she says. "Each guy was completely different. I felt like I was the 'Rain Man' of shakes — by the end of the season I knew Lane Johnson wants this, or this guy is having a tough week so I need to add more calories to his."

Whatever she brewed, it worked. The Eagles, of course, tore through the NFL en route to the Super Bowl. When the team traveled to Minneapolis for the big game, Sholomskas went with them. Philadelphia's Super Bowl headquarters were at the University of Minnesota, and the school's director of sports nutrition, John Parenti II, took note of Sholomskas' attention to detail and organization.

"She just had the 'it' factor," he says. So after the Super Bowl, he hired her to be an assistant director for the Golden Gophers.

"Her demeanor, personality and vision of what she wanted to do, specifically for our football team and nutrition department, aligned with what we are trying to accomplish," he says.

But there was still one game remaining in her Eagles career. Sholomskas was on the sideline before the game, and she watched from the stands as the team won their first Super Bowl. It was a dream come true for a Philadelphia native and lifelong Eagles fan.

"All my most successful athletes on the team had firm plans, routines and habits that they followed, and nutrition was always a part of those plans," she says. "They know that nutrition has to be a priority in their lives to perform at such an elite level, so they're very good about listening to what I had to say."

So when the final whistle sounded and confetti fell from the rafters of U.S. Bank Stadium, did she allow the players to eat anything they wanted?

"We had quite an after party, so I'll say yes," she laughs.

Borty Under

DARING TO INVENT
FRESH EXPERIENCES...
DOING WHAT NO ONE
HAS DONE BEFORE...
BRAVING SELF-
DOUBT AND THE
RISK OF FAILURE...
ONCE AGAIN DREXEL
GRADUATES ASTOUND
US WITH THEIR
ENTREPRENEURIALISM,
CREATIVITY AND
BOLDNESS. THOUGH
JUST STARTING OUT
THEIR LIVES, THEY
ARE LIVING THE SELF-
STARTER ETHOS THAT
MAKES DREXEL A
UNIVERSITY WHERE
AMBITIONS DON'T WAIT.

Ama Marfo

31

BS
BUSINESS
ADMINISTRATION '11

WHEN SHE WAS AN INTERNATIONAL STUDENT LIVING FAR FROM HOME, AMA MARFO DREAMT UP A BUSINESS PLAN TO GET HER WHERE SHE LONGED TO BE. HER COMPANY, AIRFORDABLE, IS AN ONLINE TRAVEL PLATFORM THAT OFFERS A PAYMENT PLAN FOR FLIGHTS BEFORE YOU FLY.



When Thanksgiving and Christmas came around, Ama Marfo '11 would sit alone in the dorm. Home was in Ghana: 5,000 miles and a \$2,000 plane ride away. She didn't have the upfront cash to buy a plane ticket and as a student, her credit card didn't stretch far, either.

As she watched her friends post social media pictures of happy family gatherings, Marfo formulated a business plan.

"I thought, there had to be a way for people to travel without either having money saved or having the luxury of a credit card with an extensive line of credit," says Marfo.

In 2015, Marfo launched Airfordable. The business now counts some 300,000 active users, drawn there by its simple premise: Book your flight today for only a fraction of the cost upfront and pay the rest in installments before you fly.

"I was familiar with the layaway concept in retail stores, and I thought it made sense to apply this concept to flights given the uniqueness of airfare pricing," she says.

As a business administration major, Marfo had come to Drexel with an eye on a career in accounting. Her four co-op experiences in different industries taught her a lot about the nuts and bolts of how businesses operate, and also taught her something about herself: While she loves numbers, the monthly routine of accounting is a little slow for her taste.

The career services counselors at Drexel helped her put the pieces together, to see how her love of numbers, her general business sense and her growing interest in technology all could come together. They steered her toward work as a financial technology consultant for several Fortune 500 companies, and those experiences in turn helped her to launch her own business.

Marfo tried to go it alone at first, to learn coding and actually program her own software for Airfordable. Eventually she brought in outsourced help to build a prototype of the product, which in turn helped her partner with Airfordable's co-founder Emmanuel Buah, a seasoned entrepreneur with a background in technology.

"It takes a leadership team with solid technical expertise and business acumen to build, scale and actually get Airfordable out on the market," she says. "That was my biggest challenge, finding a partner who had that expertise and was ready to take a chance on this business model."

With Buah on board, the wheels started turning and now the business is in full flight, adding new customers every day and booking flights to over 120 countries.

"I love being able to see the direct impact on people's lives," Marfo says. "Every day I get emails from customers saying how Airfordable has changed their lives. One woman had moved from Thailand and hadn't been back to visit her mom in 20 years, and we were able to make that happen for her. That's very rewarding."
—Adam Stone



MIKE
SCHULTE

MS CORPORATE POLICY
AND ENVIRONMENTAL
RISK MANAGEMENT
'15 (PENNONI CUSTOM
MAJOR)

OPERATIONS ANALYST,
THE WORLD BANK
(WASHINGTON, D.C.)

MY GREATEST ACCOMPLISHMENT

The signing of the Kigali Joint Statement on Farmer-Led Irrigation in 2018, which I worked on for over a year. This lays out ministerial support to drastically scale up inclusive and sustainable irrigation by Africa's small-holder farmers — led by farmers, driven by the private sector, and supported by governments and partners.

HOW DREXEL HELPED The co-op program and Pennoni Honor College's custom-designed majors programs are easily Drexel's competitive advantage. I sell this to employers every time I do an interview —because I'm always asked how I have the work experience I do for being my age. Drexel accelerated my timeline to

be marketable. Universities are places of learning, but they're also tasked with preparing us for the next 35 years or so of our career. I have had opportunities that would never have materialized were it not for the combination of on-the-job realities I gained through co-op along with the focused guidance, specialized coursework and support that came from the custom-designed major program.

WHERE I'LL BE IN FIVE YEARS Five years ago, I thought my destiny was going to look very different and not focused on water sustainability and creating a water and food-secure world for all. Five years from now I want to be able to say three things: I see significant increases in farmer-led irrigation in Africa to unlock opportunity for millions of families; I have worked with private companies to expand the breadth of my experience to drive this forward; and my family and friends are still willing to put up with me!

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My Greatest

Accomplishment Finally finding an industry and a profession that keeps me engaged and tests my various skillsets on a daily basis. I am able to challenge myself in many different areas of my field. With an ever-changing digital landscape, being passionate about what I am doing is the ultimate accomplishment.

How Drexel Helped Drexel has helped me in many ways, particularly the co-op program. My experience with the Philadelphia Union introduced me to the sports industry and the importance of marketing. Because of this

Andrew Zwarych

29

BS ELECTRICAL
ENGINEERING '13

DIGITAL MANAGER,
PHILADELPHIA UNION

experience and the connections I made, I currently am going into my second season as the MLS team's digital manager, overseeing the digital strategy of the organization.

Where I'll Be in Five Years I plan to still be doing digital

strategy within professional soccer, whether it's with the Union, MLS or some league overseas. With the 2026 World Cup on the horizon, being part of its organizing committee would be a dream come true.



KJ DHALI WAL

28

BS ENGINEERING AND BUSINESS '13

FOUNDER AND CEO, GRAVITY GROUP

MY GREATEST ACCOMPLISHMENT

Gravity Group. Gravity Group is the parent company of Dil Mil, the fastest-growing dating app for South Asians across the world, with more than five million matches made and \$4 million raised from investors. The company also recently launched Jamifi, a music app and production studio for aspiring artists.

HOW DREXEL HELPED

Drexel gave me the flexibility to explore various industries and careers through the co-op program and various campus organizations. Prior to creating Dil Mil, I led growth at Union

Metrics, one of the leading social data analytics companies in the world. I was also a partner at Finantric Capital, a successful investment fund. I've worked for a number of financial and investment firms and have started several businesses. I became a better entrepreneur thanks to Drexel, and many of the things I learned during my time at Drexel still guide me today (such as fail fast and fail often!).

WHERE I'LL BE IN FIVE YEARS Pursuing my passion for technology and entrepreneurship both as a founder and investor of innovative companies helping to make an impact on the world.



Casey Dworkin

It's not easy for her to talk about, but a 2015 apartment fire that destroyed everything she owned helped Casey Dworkin truly zero in on what she wanted from this life.

Not long after, she took her first big risk. She'd been working for two years running sales and operations for a small luxury footwear line called Ivy Kirzhner in New York City, a great first gig after earning her degree in creative studies, which was a marriage between product design and design and merchandising. But the owner of a new contemporary shoe company, Messeca, invited her on board to serve as a brand director, a role she knew would afford her more creative control.

"I wasn't sure if I could do it," she says, "but I told myself 'I'll be damned if I don't try.'"

On a personal level, the fire left Dworkin permanently changed. "My relationship to material possessions was flipped totally on its head," she recalls. "Starting over from scratch not only changed my perspective in terms of being grateful for the things I still did have, but it made me so much more conscious of

the items I chose to buy. From that point on, everything I purchased was something I really thought long and hard about, and my relationship to consumer goods became very intentional and much more minimal."

Professionally, Dworkin absorbed everything she could as brand director at Messeca. But in the background, a vision began to take shape of what it would be like to strike out on her own.

"I started to develop an idea for what an intentional brand of footwear would look like, and from that moment on, starting my own brand became my driving force," she says.

"Life is short" is a lesson she learned from the fire, Dworkin explains, and so in 2017, she went full steam ahead and launched her own brand of sustainably minded, ethical footwear called Sylven New York.

"The company is rooted in the idea that we should coexist with our environment," she says.

Many of the footwear styles are designed to be waterproof, and Dworkin uses a lot of recycled and upcycled materials. Comfort and durability are paramount, she says.

"I approach my decision-making process for my company much like I approached rebuilding my life after the fire, making sure that everything serves a purpose as well as serves the good of the world," Dworkin says.

As often as she can, Dworkin uses deadstock, which is leftover material from larger brands, and she slows down the production process, which means less waste.

Sylven New York is an online business, but Dworkin occasionally has opportunities to get her boots on the ground (she approves this pun) at pop-up shops around the city. The pop-ups make it all feel real for Dworkin.

"Having my own company was part of my 10-year plan," she jokes, "not my five-year plan. But I think my life circumstances have pointed me in this direction and taught me that there is no time like the present." — Katie Clark

32 Amanda E. Hastings

BS PSYCHOLOGY '08

CLINICAL
PSYCHOLOGIST
AND BOARD-
CERTIFIED BEHAVIOR
ANALYST, HSC
PEDIATRIC CENTER
(WASHINGTON, D.C.)



My Greatest Accomplishment I took this position in 2015 to improve the services for families raising children with autism in Washington, D.C. I was disheartened seeing access to quality services being determined by a family's socioeconomic status. So, from the ground up, with the help of many colleagues, we have created a unique place where a family can obtain a diagnosis of autism for their child, begin therapeutic interventions quickly, access parent coaching for behavior challenges, and meet other families experiencing similar stressors — from toddlerhood to young adulthood — all under one roof. It takes a village to raise a child; and it takes an extra special village to raise a child with special needs. I truly believe our hospital has created something special.

How Drexel Helped I had the great pleasure of playing varsity softball at Drexel, which supported my interpersonal growth and leadership skills. Prior to entering my junior year of college, I was named a team captain. My coaches, Terry Deturo and Kim Camara-Harvey, saw qualities in me that I didn't see in myself. As a team captain, I was given the rare opportunity to inspire and lead others prior to entering the workforce. It was a monumental stepping stone for my career.

Where I Hope to Be in Five Years I will still be leaning in — hopefully raising some of my own children while continuing to advocate for better service delivery for families raising children with special needs.

MY GREATEST ACCOMPLISHMENT

Obtaining a faculty position that allows me to explore many of the interests I've developed over the course of my scientific training. Not only do I get to continue my research on chronic pain, but I'm also exploring new ways of teaching undergraduates to become scientists with a particular focus on helping students from disadvantaged backgrounds. This is near and dear to my heart because I

grew up in a low-income family and recognize that the biggest discoveries are made by teams filled with scientists from diverse backgrounds with diverse experiences.

HOW DREXEL HELPED

When I first arrived at Drexel, I had no idea what being a scientist meant. I immediately found a mentor in Senior Vice Provost for Research Aleister Saunders, who is also interested in the study of Alzheimer's. He helped me navigate academia to become competitive for a neuroscience doctoral program at Thomas Jefferson University studying migraines. The co-op program was also key to this because while so many students at other universities were only learning course material, I was in a lab, learning pharmaceutical industry techniques, making myself immediately competitive for the job market.

WHERE I'LL BE IN FIVE YEARS

My research program will hopefully pioneer new ways to ask questions about how sleep affects chronic pain, by studying fruit flies. I hope this will help us find new non-addiction alternatives to opioids for pain relief. Key to this is that I'm developing "bite-sized authentic research experiences" for undergraduates to be the main drivers of this research. In five years, hopefully we'll be one step closer to understanding pain, one step away from relying so much on opioids, and multiple steps of my students entering graduate programs.

NATHAN T. FRIED

BS BIOLOGY '08

PHD NEUROSCIENCE '15
(THOMAS JEFFERSON UNIVERSITY)

ASSISTANT PROFESSOR,
DEPARTMENT OF
BIOLOGY, RUTGERS
UNIVERSITY-CAMDEN



JUAN BAEZ
38

JD '10

DEPUTY MANAGING ATTORNEY, AIDS LAW
PROJECT OF PENNSYLVANIA

MY GREATEST ACCOMPLISHMENT Believing in myself and never seeing obstacles as endpoints, but rather as opportunities with new directions.

HOW DREXEL HELPED I'm naturally a quiet person. I shy away from the spotlight and attention — a person of few words. Drexel welcomed me and provided me with the resources I needed to come out of my shell, even if ever so slowly. Drexel reminded me that everything starts with an individual. The entrepreneurial spirit of never stopping and always looking for solutions was at the core of what I learned. I was the second class of a brand new law school. My law school classmates were

self-starters who created an environment of go-getters, and that atmosphere gave me the confidence to be involved and be a leader.

WHERE I'LL BE IN FIVE YEARS I see myself continuing to serve the public through the work of the AIDS Law Project of Pennsylvania. My job allows me the satisfaction to help many people: people living with HIV, the LGBT community and poor residents of Pennsylvania and Southern New Jersey. I take great pride in our work. Advocating and giving our clients a sense of dignity and hope fulfils me. In the distant future, I hope to one day become a judge and continue my journey of promoting justice.

Gianna
K. Hylton



My Greatest Accomplishment I work hands-on with minority businesses with annual gross revenues of \$1 million and above providing their businesses with access to capital, access to contracts and strategic business consulting. I've come to know my clients very well and have been very instrumental in advocating on their behalf to get them the support and exposure they need. I've assisted several clients with overcoming challenging situations that had a direct impact on their business, their families and their employees. Assisting these businesses with tools to grow outweighs any single accomplishment.

How Drexel Helped Drexel has supported me in allowing me to use its Washington, D.C., center for business events such as my

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MBA '16

EXECUTIVE
DIRECTOR,
MINORITY BUSI-
NESS DEVELOP-
MENT AGENCY'S
BALTIMORE BUSI-
NESS CENTER AND
L.S. CALDWELL &
ASSOCIATES INC.
(WASHINGTON, D.C.)

Business Center's Finance Symposiums. I am currently forming a strategic partnership with Drexel University Online, which will allow me to use my platform to make an impact in the lives of minority businesses nationwide in providing discounted online programs to minority business development agencies, business centers and the minority businesses we serve. Lastly, it is because of Drexel that I met a fellow alumna who later asked me to join her engineering advisory board. I've found that Drexel supports its graduates and their endeavors and facilitates connections between fellow alumni.

Where I'll Be in Five Years I've managed to accomplish a lot in my current role in a short period of time. This role has given me exposure and a platform to meet and work with hundreds of minority businesses, both small and large, across the country. Through these connections and relationships formed I'm constantly approached with new opportunities that expand my reach and broaden my platform. I'm grateful to be in this position and have no doubt my impact will be taken to new heights in the next five years!

MY GREATEST ACCOMPLISHMENT My greatest accomplishment isn't characterized by a single defining moment or achievement, but rather finding a continuous and growing strategic fit across all the various opportunities I have had throughout my career. From learning to manage, analyze and interpret data as a scientist at Pfizer and clinical research specialist at Merck & Co. to developing and managing high-performing teams as head of operations at WriteResult and The Avoca Group, each position I have held has built upon the success of the prior one and enabled broader and more impactful achievements. Most recently, as an adjunct faculty member in Drexel's College of Medicine, I have had the opportunity to communicate complex topics in clinical research in simple, engaging formats. That is an especially important accomplishment for me since I come from a family of educators and recognize teaching young profession-

als as the most effective vehicle to have a broad impact across the pharmaceutical industry.

HOW DREXEL HELPED The MS-CROM program helped by giving me a deep foundation of knowledge in all aspects of clinical development. By understanding the "why" and the history behind various aspects of drug development, I have been able to apply systems thinking to develop and implement ideas that will shape the future of the industry. Additionally, pursuing an advanced degree while aggressively pursuing a career helped me further refine very pragmatic time-management skills that become essential with the increasing depth and breadth of responsibilities I now hold as a COO of The Avoca Group, an industry authority on quality and compliance in clinical research and development.

WHERE I'LL BE IN FIVE YEARS I will be at the beach more — I really want to learn to surf with my wife and kids! Professionally, however, I will be in a role much like I am now —orchestrating an excellent team of people to execute the creative ideas that arise from my unconventional perspective on the uniquely human endeavor of developing and commercializing medicines.



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DENNIS
SALOTTI

MS CLINICAL RESEARCH
ORGANIZATION MANAGE-
MENT '08

CHIEF OPERATING OFFI-
CER, THE AVOCA GROUP
(PRINCETON)

ALICIA ROBERTS

37

MA PUBLIC
COMMUNICATION '05

ANCHOR AND
REPORTER, CBS 46
ATLANTA

My Greatest Accomplishment Becoming the first in my family to graduate from college while self-financing my education was a huge accomplishment. In addition, I was the first in my family to earn a postgraduate degree, graduating debt free from Drexel thanks in part to scholarships I earned as Miss Philadelphia 2003 and first runner up at Miss Pennsylvania, a local Miss America affiliate.

As an on-air TV broadcast journalist, I have had an incredible career as an anchor and sports reporter working for affiliates with NBC (Tampa), ABC (Cleveland) and CBS (Atlanta) as well as the Tampa Bay Rays and Atlanta Braves and Falcons. Highlights in my career include covering the 2008 World Series when the Phillies beat the Rays to win the championship, as well as the 2008 and 2016 elections, 2009 Super Bowl and 2017 Rose Bowl.

My favorite part of the job is connecting with the people in the communities I work. I volunteer with many organizations and try to use the platform I have for positive change. For example, I am active in my community serving as an ambassador for the American Heart Association. Three months before I graduated from Drexel, my father passed



away suddenly from a heart attack at age 54. Heart health is a message I champion for him and so many who are at risk.

Finally, I am a proud "rescue mom" and volunteer my time with local animal shelters including PAWS (Chicago) and Best Friends (Atlanta). I also serve on the board of directors for the Miss Philadelphia Scholarship Organization.

How Drexel Helped Drexel allowed me to study my field in a way that deepened and broadened my knowledge base. My job forces me to think critically about a variety of topics every day from politics, business, religion, and culture and repurpose information quickly and accurately. Drexel's curriculum gave me the chance to do that with professors who brought "real-world" experiences into the classroom. One of my favorite classes featured the then-Deputy Mayor of Philadelphia who challenged us to break down policy headlines from the perspective of civil, moral, financial and resource considerations.

Where I'll Be in Five Years Anchoring full-time at a network affiliate.

Frohman Denise

POET AND WRITER
DENICE FROHMAN
CRISSCROSSES THE
COUNTRY TO SEND
A MESSAGE: CLAIM
THE POWER TO BE
WHO YOU ARE.



Denice Frohman doesn't fit into a box. In fact, give the box to this New York-born queer mixed-Latina poet, writer, performer and educator, and she'll flip it over and stand on it, and invite you to stand with her and speak your truth. That's just her style.

Frohman's work explores the intersections of race, gender and sexuality, inspired by her experience as a queer woman from a Puerto Rican and Jewish background. It was during her childhood surrounded by music, street performers and the diversity-rich grittiness of New York City's Hell's Kitchen that the seeds of her creativity were planted.

It took a while for Frohman to find her way to poetry. In high school, she was limited to introductory Shakespearean-esque stuffiness that didn't interest her. Around that time, she attended a live performance at the Nuyorican (blend New York and Puerto Rican together) Poets Café, and the seed began to sprout.

"That was my first time experiencing poetry in real time on stage and I was in awe," she says. "But at the time, I was focused on my athletic career."

Frohman's basketball skills in high school earned her a full scholarship to Dowling College on New York's Long Island, where she majored in English.

"I was introduced my freshman year to a plethora of books and writers who spoke my language," she explains. "Those writers helped me to step into the power of my own voice and showed me I could write about myself, write about my own language — I didn't have to write about or pretend to be someone else."

After a year of playing professional hoops in Puerto Rico, the college graduate began leafing through a book on the topic of "What to Do With an English Degree." Then she got a break. Her mentor Chris Lehmann, founding principal of Philadelphia's Science Leadership Academy (SLA), connected her to a job

in communications at the Franklin Institute. Once in Philadelphia, Frohman was invited to teach a poetry class at SLA.

"I fell in love," she recalls. "There are moments when your path becomes very clear and your passion fills the room. I knew this wasn't going to go away. I loved being in the classroom with young people."

Frohman continued working in communications, eventually landing at Drexel, where she pursued her master's in education.

Outside of work, Frohman was immersing herself in the Philadelphia poetry scene, showing up on stages across the city and beyond, honing her craft and cultivating a network. She got involved in the Philly Youth Poetry Movement, a volunteer-run nonprofit founded in 2006 that empowers young people through spoken word and literary expression. In 2013, she was crowned Women of the World Poetry Slam champion. In 2015, she won a highly competitive CantoMundo Fellowship, which connected her to a whole new world of inspiring Latinx artists, she says.

After Hurricane Maria, she helped to organize a benefit for #PoetsForPuertoRico, a diasporic movement of Puerto Rican poets that has raised more than \$20,000 for those affected by the disaster.

Frohman spends most of her time on the road at speaking engagements. Occasionally, unexpected gigs pop up, like her involvement in the #HereWeAre Twitter campaign that ran during the 2018 Oscars. When she's not traveling, Frohman makes time for polishing her craft at writing residencies and fellowships.

"I really want to continue to grow as a writer, and really expand what's possible for me on the stage, and on the page," she says. "There are a million poems left unwritten at the end of the day, and I hope to chase down as many of them as I can." — *Katie Clark*

My Greatest Accomplishment

Professionally, starting RideKleen, a mobile car wash company. The idea started with just a passion for cars and the ambition to build a company from the ground up. In

five years, this concept went from a small Philadelphia-based operation to a national footprint extending coast to coast, which was recently acquired by Cox Automotive, a multi-billion dollar corporation. The journey brought many sleepless nights but tons of lifelong learning experiences. It has been a humbling experience to have reached the ultimate goal for a startup and continue innovating while revolutionizing an industry.

exposure helped me to realize that my calling was within the world of entrepreneurship and leadership early on.

Where I Hope to Be in Five Years

I always say entrepreneurs are a different breed of individuals and it's not for everyone. The hunger and excitement to be part of the building process for a company will never go away and is something that will always be of interest for me. I see myself being involved with more startups and early-stage companies. I am also very excited about a long-term opportunity with the Cox Automotive family and helping to make an impact within the space we are aggressively pursuing.

PRATIK PATEL

BS GENERAL STUDIES '06

CEO, RIDEKLEEN



JESSICA E. SNYDER

32

PHD MECHANICAL ENGINEERING '14;
MS/BS MECHANICAL ENGINEERING '09

SCIENTIST, UNIVERSITIES SPACE RESEARCH
ASSOCIATION (MOUNTAIN VIEW, CALIFORNIA)

MY GREATEST ACCOMPLISHMENT As a mechanical engineering student, I worked with Albert Soffa Chair Professor Dr. Wei Sun in his Biofabrication Lab to design and patent a method to 3D print living cells that has since been licensed for commercial development. I translated this method from regenerative medicine to industrial design in support of human space missions in the 2020s. Within NASA's Space Science and Astrobiology Division, I use biology and 3D printing to manufacture objects for habitats where natural resources are scarce and that are inaccessible to supply chains. Three-dimensionally printed biological systems convert sunlight into products that need replacing during a multi-year mission (e.g. filters, socks), large

objects (construction materials for a habitat) and custom designs (ergonomic splints).

HOW DREXEL HELPED Drexel assumes its students are ambitious and capable — as evidenced by the co-op program. I took advantage of the classes to gain technical competency, research opportunities to face the unknown, and leadership positions to prioritize the actions of a group.

WHERE I'LL BE IN FIVE YEARS I want to know if life on Earth came from Mars — and if we can return. To detect life and study its origins, we need to explore and to see Earth from another perspective. Someday, Martian colonizers will use 3D print biology to build their world, revolutionizing what both “uninhabitable” and “scarce” mean.

Steinberg's

Kate

25

BS
PSYCHOLOGY '16

KATE STEINBERG HAS SEEN FIRSTHAND HOW THERAPEUTIC TREATMENT WITH MEDICAL MARIJUANA TRANSFORMS LIVES YOUNG AND OLD, AND SHE NOW SPENDS HER DAYS SPREADING THE WORD ABOUT ITS BENEFITS.

In some circles, the industry to which Kate Steinberg has so thoroughly committed herself remains stigmatized. But when she encounters a person who rolls their eyes when she mentions that she works in the medical marijuana field, she doesn't get angry.

She gets energized.

“At the end of the day my goal is education,” says Steinberg, 25, who is manager of outreach for Curaleaf, a nationwide dispensary with several locations in Massachusetts. “I love helping people understand that cannabis really is a therapeutic alternative treatment option.”

Steinberg started working at Curaleaf's New Jersey dispensary before she graduated from Drexel, where she majored in psychology and minored in culinary arts. She was immediately struck by how effective cannabis was for patients who had tried conventional drugs — with mixed results — to manage their pain. One such person was her sister, who contracted Lyme disease.

“To see how much relief she got from the program was such an inspiration,” Steinberg says. “Once I started working at the dispensary I had one adolescent patient... They had severe autism; they were nonverbal and would get very violent. We sent the parents home with cannabis oil and they called me back crying because they were now looking at Disney World vacations. Everything changed so rapidly

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MPH EPIDEMIOLOGY '15

APPLIED EPIDEMIOLOGIST, FLORIDA DEPARTMENT
OF HEALTH IN MIAMI-DADE COUNTY

Danielle Fernandez



My Greatest Accomplishment For my community-based master's project at Drexel's Dornsife School of Public Health, I worked with the College of Engineering to conduct research on the incubation period of Ebola virus disease (EVD) during the 2014 West African outbreak. Using data obtained from the Ministries of Health of Liberia, Sierra Leone, Guinea and Nigeria, and weekly reports published by the World Health Organization, I created prediction models to examine the role of measurement error and reporting bias on the incubation period of EVD of 2–21 days. The findings of this project suggest that the incubation period of EVD may be up to 31 days. In 2016, I presented my research at the annual Council for State and Territorial Epidemiologists in Alaska and had the opportunity to discuss the findings and implications with world-renowned subject matter experts.

How Drexel Helped During my career at Drexel, I received training in data sciences, gaining a solid foundation in many computer programs and statistical software that

I use in my daily work today. Knowing how to analyze and present data in a way that is scientifically sound and widely understood is crucial when investigating endemic diseases such as foodborne “bugs” as well as when responding to novel infectious disease outbreaks such as Zika virus. My coursework well-equipped me with the skills necessary for the “disease detective” work of applied epidemiology.

Where I'll Be in Five Years I intend to obtain a PhD in Health Informatics, as I think strong data systems and surveillance are our best line of defense against future disease threats. I am also particularly interested in working in the global health field — integrating my interests in international development, data and infectious disease epidemiology — and conducting my PhD research abroad if given the opportunity. Further out, I have my sights set on more permanent international work — running a CDC field office in Northern Africa, perhaps — but I am willing (and excited) to go where the work takes me.

in just a few days. It was life changing for me to see firsthand how it's helping.”

Advocates like Steinberg say cannabis can act as a sedative, calming people with anxiety. It can induce appetite and reduce nausea in cancer patients undergoing chemotherapy, and it can help those suffering from mental health issues like depression.

Not everyone who uses medical marijuana becomes glassy-eyed and giggly. It's the THC in marijuana that makes users “high,” but CBD oil can be extracted from the plants and used to treat patients who want to avoid the euphoria commonly associated with THC.

Steinberg sees the benefit in both.

“We have some patients who have been in the program for three years and have only used CBD products, so they have never felt high,” she says. “We have patients who prefer to use THC, so they do encounter that euphoria. If you have terminal cancer, if you have severe PTSD, sometimes that euphoria is what you need to bring yourself to a better place.”

In her outreach role, Steinberg speaks to patient support groups, physicians interested in the program, and recently organized the first community blood drive at a dispensary in Massachusetts.

“I am so passionate about this,” she says. “We had a patient I spoke with at an ALS symposium. He was initially very wary about using cannabis, but he decided to give it a try. His wife told me that before he was diagnosed he would whistle all the time, but after his diagnosis he had stopped. Just the other week his wife walked downstairs and heard him whistling again. There is something so beautiful about that to me.” — Mike Unger

GEORGE C. MCCONNELL

BS/MS BIOMEDICAL
ENGINEERING '03

ASSISTANT PROFESSOR,
STEVENS INSTITUTE OF
TECHNOLOGY



MY GREATEST ACCOMPLISHMENT As a research scientist at Duke University, I serendipitously discovered a promising therapy for Parkinson's disease using deep brain stimulation, which led to my first federally funded award. This work was instrumental in securing a tenure-track faculty position at Stevens Institute of Technology, which I consider my greatest accomplishment. I

have the privilege of leading an interdisciplinary team of graduate, undergraduate and high school students in research studies focused on understanding and advancing novel neural stimulation therapies for neurological and psychiatric diseases.

HOW DREXEL HELPED My professors in the School of Biomedical Engineering, Science and Health Systems taught me the importance of studying physiology from a systems point of view and with an engineering mindset. This is the same perspective that I teach in the classroom today.

In addition to a solid engineering foundation, I benefited tremendously from the co-op program with a wide variety of research experiences — from computational neuroscience to collecting and analyzing large functional neuroimaging datasets. Those positive experiences played a pivotal role in my decision to complete a PhD in biomedical engineering at Georgia Tech.

WHERE I'LL BE IN FIVE YEARS In five years, I hope to collaborate with clinicians, scientists and engineers to design new technologies that enable us to better understand the brain.

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MBA '05

CO-FOUNDER AND CEO, GRAB.IN (MUMBAI, INDIA)

MY GREATEST ACCOMPLISHMENT I took a significant risk by ending a successful stint at BlackRock to pursue my entrepreneurial dream of building a technology platform with a rider network for enterprise logistics in India. I Kickstart'd the venture during the days when digital commerce was still nascent and mobile phones were a luxury. From starting up in a single city, with five delivery executives, and a total team of seven people, Grab has surpassed obstacles, failed and learned, and rode the Indian digital boom to become India's largest sector agnostic delivery service for businesses. We now have a presence in 45

cities, more than 5,000 delivery executives and more than 250 employees.

HOW DREXEL HELPED I was a teaching and research assistant with the Marketing Department while I was pursuing my MBA at Drexel. My instruction from the highly knowledgeable faculty, the opportunities to interact and the overall program were the fuel to kickstart my professional journey.

WHERE I'LL BE IN FIVE YEARS
Grab's goal is to become an Uber for businesses to deliver their products. We want to empower Indian businesses of all sizes to cater to the delivery demands of 1.5 billion Indians.



Dorcas Adekunle

My Greatest Accomplishment

Spearheading the creation of the Congressional Caucus on Black Women and Girls — the first-ever congressional caucus dedicated to making health, education, safety and opportunity for black women and girls a priority. I strive to ensure that black women's voices are centered in policy discussions. Through the caucus, I educate and I construct legislative and programmatic proposals to address systematic obstacles that black women and girls face. Most recently, under the leadership of Rep. Bonnie Watson Coleman, the first African-American Congresswoman from New Jersey, I led two conferences for girls. The “&Girls” conference brought together more than 400 girls between the ages of 10 and 23 to discuss neighborhood safety and leadership qualities. The “In Her Power” conference empowered girls in middle school by fostering healthy relationships and providing self-advocacy tools to help students combat the impact of the school-to-prison pipeline.

How Drexel Helped While a student, I interned and completed a co-op with the New Jersey state legislature. These experiences exposed me to the process of crafting a legislative agenda with legislative members and leadership.

Where I'll Be in Five Years I will continue to look for opportunities to reduce disparities. I seek to promote equity and justice through government, corporations and communities.

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JD '13

DEPUTY CHIEF OF
STAFF AND LEGIS-
LATIVE DIRECTOR TO
CONGRESSWOMAN
SUSAN WILD (PA-7)

*OLUWATOYIN
FADEYIBI*

34

MPH '16

**DIRECTOR OF
PHARMACY
INITIATIVES,
COMMUNITY
BEHAVIORAL HEALTH**
(a division of
*Philadelphia's Department
of Behavioral Health and
Intellectual disAbility
Services*)



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STEPHEN
STARKS

BS BIOLOGY
'01

**VICE PRESIDENT,
PROMOTER AND MEDIA
PARTNER RELATIONS
FOR INDYCAR LLC**



MY GREATEST ACCOMPLISHMENT

In life, being a husband and father of two children. Professionally, becoming a successful sports, litigation and corporate lawyer and then being

able to make the transition to becoming an executive for a major motorsports league, where I arrange agreements with new race venues, promoters and media partners for IndyCar.

**HOW DREXEL
HELPED** The edu-

cation I received at Drexel is second to none. As a four-year member of the NCAA Division I basketball team while at Drexel, I had to balance the on-court demands against a very demanding academic curriculum. Accordingly, in addition to leaving Drexel much smarter than when I arrived, I also was more disciplined and better equipped to handle

pressure, both characteristics that continue to serve me well in my career today.

WHERE I'LL BE
IN FIVE YEARS

Wherever my beautiful wife and two wonderful children take me. They run this show. Wherever that is, perhaps I will be fortunate enough to have been selected to lead a company. Alternatively, maybe I will have decided to start my own business.

My Greatest Accomplishment

Within the past four years since graduation, I've contributed as a video freelancer within live sports broadcast production, features, digital media and photography for the four major Philadelphia sports teams: 76ers, Eagles, Phillies and Flyers. During my time at NFL Films, I won a National Sports Emmy as an associate producer for HBO's "Hard Knocks." In 2017, I helped *Sports Illustrated* launch a new streaming media network for documentaries and live shows called SI TV. With the SI team, I traveled to produce live short- and long-form Super Bowl 52 content. I'm very proud to have a Super Bowl ring that I earned while working as a camera operator for the Philadelphia Eagles. In April 2018, I had the tremendous opportunity to join the Philadelphia 76ers where I film, produce and edit features and digital content.

How Drexel Helped Gaining professional experience through the co-op program while still in college helped me excel my career early. I had a full list of contacts from networking that helped me have a job lined up after graduation.

Where I'll Be in Five Years I hope to be an executive producer in the sports filmmaking and production industry.



use my clinical and public health skills to serve Philadelphia's residents who are underprivileged and on Medicaid. The experiential training embedded in Drexel's programming also taught me the value of community engagement, inclusion and buy-in, generosity of heart and the often underestimated impact that policy has on the health of the public. These lessons have become a fabric of any work I set my heart to do.

Where I'll Be in Five Years I hope to be still doing fulfilling public health work that impacts the most vulnerable in society — whether right here in Philadelphia or across the Atlantic Ocean in Nigeria — ideally, both!

MY GREATEST ACCOMPLISHMENT Although I spent 15 years as an intelligence officer with the U.S. Central Intelligence Agency prior to attending law school, I have found that my law degree has allowed me to serve my community and country in ways I was never able to do before. I can openly advocate for the underserved and seek justice for all without the veil of government bureaucracy. My greatest accomplishment has been using my government and legal experience to campaign in the 2018 Democratic primary for the opportunity to run for Congress in Pennsylvania's 5th Congressional District. Being a candidate gave me a public platform to advocate for change in ways that would better serve those in our community who need it the most.

HOW DREXEL HELPED What I found most inspiring and helpful about Drexel was the open and inclusive environment that faculty and staff created. Professors always had their doors open, whether for a therapy session or career advice. Staff

listened to student concerns and helped them advocate for what mattered to them. The Drexel community, in particular the faculty and staff at the Kline School of Law, instilled in me the confidence I needed to make change happen.

WHERE I'LL BE IN FIVE YEARS As a non-traditional student, I came to Drexel with an established career and life experience. I knew where my life was going to take me before I ever walked through those doors. The law degree and connections I received firmly established the path forward for me. In five years, I will still be advocating for my community within the legal and political realm through my continued connections within the Philadelphia legal and political community.



SHELLY CHAUNCEY

JD '17

ASSOCIATE AND PRO
BONO DIRECTOR, LOWEY
DANNENBERG

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My Greatest Accomplishment My greatest accomplishment as a student was helping the Drexel team in the DARPA Robotics Challenge compete against other world contenders. It was a competition to have team members control a search-and-rescue robot in a mock nuclear power plant disaster scenario modeled after the Fukushima power plant disaster. Currently, I work at an agricultural tech startup called Bloom Automation that is bringing robotics and advanced automation to the medical cannabis industry. Our mission is to trim plantings with the precision of a human, but the efficiency of a machine.

Pareshkumar Brahmhatt

29

BS PHYSICS '13

SENIOR ROBOTICS SOFTWARE
ENGINEER, BLOOM AUTOMA-
TION INC.

How Drexel Helped Drexel taught me perseverance, courage and, at the same time, humility by giving me the opportunity to reach higher. I was able to meet great professors and become friends with like-minded individuals who gave me the courage to keep going after my dream.



Where I'll Be in Five Years I imagine myself to be an executive or director of engineering helping to lead a company from idea to product creation.

Before every Metallica concert for the past year and a half, the band spends about 45 minutes in a small backstage room with Jon-Michael Marino. As enhanced experience director for the heavy metal band, he leads a small group of mega fans who shell out big bucks for a backstage pre-show hangout with James Hetfield, Lars Ulrich, Kirk Hammett and Robert Trujillo (all of whom he describes as "genuine and caring guys.")

For a longtime fan who has loved Metallica since his uncle first took him to see them live when he was 13, his job is a true rock-and-roll fantasy.

"I still don't know what I want to do when I grow up," the 31-year-old says.

A music industry major who also got his MBA at Drexel, Marino started working security at concerts around Philadelphia as an undergraduate. His first full-time gig in the business was with Philadelphia-based CID Entertainment, which curates VIP experiences for music fans. One of his many projects over seven years with CID was creating a "MUSEum" for the British band Muse. Metallica later partnered with CID to create their own program. More than a year and two massive tours later, Marino left CID to work for Metallica directly.

Among his duties was creating a Metallica museum that travels with the band on tour. It features memorabilia like the late Cliff Burton's signature bass and interactive exhibits that include playable guitars through the band members' own effects boards, and a properly staged full drumkit photo opp.

"After several years of developing programs for a variety of country, EDM, jam bands, rock tours and festivals, [I've learned that] the items and experiences that fans always enjoy the most are the ones that are the most intimate," Marino says. "Unique vantage points such as a front of house platform or inner barricade pit, intimate facetime with artists, or access to personal effects that people don't even get to see at the Rock & Roll Hall of Fame...it's one thing to see wardrobe and set lists of your musical heroes behind glass, but to actually be able to strap a guitar on and let it rip through a pair of headphones and have it sound like it's supposed to, is a pretty special experience."

As glamorous as touring with Metallica around the world appears, it can also be a grueling job. Still, when Marino sees the smiles on satisfied fans' faces, nothing else matters.

"It takes a special breed to go out there and do 18-hour days and switch back and forth between sleeping on a bus and sleeping in a hotel in different time zones," he says. "On this tour, more than any other I've worked on, what we've created has surpassed people's expectations. To have thousands of examples of overwhelmingly positive musical experiences, that's what keeps me going." — Mike Unger

Jon-Michael Marino

31

MBA '10;
BS MUSIC
INDUSTRY '09

SELF-
DESCRIBED
METALHEAD
JON-MICHAEL
MARINO TOURS
WITH THE
LEGENDARY
BAND
METALLICA,
CREATING
ONCE-IN-A-
LIFETIME
EXPERIENCES
FOR DIEHARD
FANS.



MY GREATEST ACCOMPLISHMENT

My involvement in ensuring that U.S. banknotes are secure and durable led me to recognize that there was a need for the addition of a critical process at the Bureau of Engraving and Printing (BEP) in the Department of the Treasury. This new process, failure modes and effects analysis (FMEA), identifies design and process failures and classifies the severity of their consequences. I carved out a multidisciplinary team comprised of quality lab technicians, press operators, banknote designers, scientists and engineers to conduct risk assessments. Structured across multiple technology platforms in research and development, I also standardized the methodology. I am now applying this process to technology projects at BEP and serve as the liaison between internal offices, the Federal Reserve Board and the U.S. Secret Service. This procedure is revolutionizing the BEP's R&D system by supporting elimination or reduction of product defects and spoilage.

HOW DREXEL HELPED Drexel offered in-class education, lab work and extensive on-the-job experience. The co-op program allowed me to pursue different technical experiences and niches within my field, leading to a dynamic résumé and a greater advantage in finding employment. In addition, Drexel's STAR method had me well prepared for the interview process. Following graduation, Drexel supported my transition into the Congress-Bundestag Youth Exchange for Young Professionals fellowship. As a young

ambassador in Germany under the Fulbright-Hays Act, I garnered academic, professional and international experience. The German language is undoubtedly important to be versed in as an engineer. This fellowship offered an exciting way to further develop my German language skills, which were first introduced through elec-

tive classes at Drexel. My exposure abroad helped prime me to assume a significant role in an increasingly global economy and interdependent world as an engineer.

WHERE I'LL BE IN FIVE YEARS I foresee myself in a senior level working on the final stages of development for our new U.S. banknotes.

FARRAH MOLDOVER

BS MATERIALS SCIENCE ENGINEERING '11

GENERAL ENGINEER, U.S. DEPARTMENT OF THE TREASURY, BUREAU OF ENGRAVING AND PRINTING

Alex Roscoe

34

BS ELECTRICAL ENGINEERING '13



ERIC EISELE AND ALEX ROSCOE'S STARTUP GROWFLUX AIMS TO REVOLUTIONIZE HORTICULTURE WITH AN INTELLIGENT GREENHOUSE LIGHTING SYSTEM THAT CAN OPTIMIZE YIELDS, SAVE ENERGY AND REACT TO PLANTS' NEEDS.

Since 2014, GrowFlux has been perfecting a horticulture lighting system that combines connected spectrum tunable LED lights with sensors and cloud-based software. The lights and sensors are engineered to precisely deliver light to plants only when crops are using it most efficiently, saving energy and boosting yields in energy-intensive cultivation operations such as greenhouses and legal cannabis farms.

With an investment round closed and several patents pending, CEO Eric Eisele and Chief Technology Officer Alex Roscoe began marketing their \$1,300 LED lights this past summer from their headquarters in ic@3401, a business incubator managed by Drexel and the Science Center.

"I think we are kind of at the cusp of the next frontier of agriculture," says Roscoe.

GrowFlux's sensors "have the potential to save tremendous amounts of energy in the greenhouse market as the industry is projected to consume upward of 2 percent of the U.S. grid energy in coming years," says Eisele.

The technology is a no-brainer, Eisele says, when considering both the growth of greenhouse farming and the way climate change could impair the global food supply.

One of their R&D tactics has been to collaborate closely with universities that are on the leading edge of optical sensing technologies.

"For example, we are translating this fascinating technology out of Cornell University into one of our sensor products that accurately detects very minute light signals from plants," explains Eisele. "We can actually detect plant stress in real time."

The groundwork for GrowFlux was laid over many years in Drexel's College of Engineering and at the duo's early jobs in Philadelphia. Before GrowFlux, there was Summalux, an LED lighting-related startup Eisele began as an undergrad with Drexel engineering Professor Adam Fontecchio. After he exited, Eisele worked in product development at a Philadelphia architecture firm. There he met Roscoe, who was doing his co-op and had wireless sensor experience stemming from an extracurricular project with Kapil Dandekar, an engineering professor and associate dean at Drexel. After Roscoe graduated, he worked at Comcast Corp. as a wireless engineer — until the "stars aligned," allowing him to join GrowFlux with Eisele in early 2018.

"Is it cheesy to say we are trying to transform agriculture?" Roscoe muses, to which Eisele didn't hesitate: "Our sweet spot is data plus light and there's tremendous opportunity there." —Lauren Hertzler

Eric Eisele

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BS MATERIALS SCIENCE AND ENGINEERING '09

MY GREATEST ACCOMPLISHMENT

Earning the opportunity to be part of a trailblazing tech startup company that is working on a head-mounted virtual retinal display that superimposes 3D computer-generated imagery over real-world objects. As a patent engineer at Magic Leap, I have the unique privilege of working alongside some of the best and brightest in the industry and studying the technologies and experiences they're creating. I take great pride in helping to build a patent portfolio that both protects the intellectual property behind these innovations and adds value to the company.

HOW DREXEL HELPED Drexel's engineering program not only provided me with a

wealth of technical knowledge, it also taught me problem-solving skills that I often find myself relying upon in both legal and business settings. My senior design project allowed me to directly participate in the innovative process from ideation to prototype and testing, and ultimately to pursuing patent coverage on our work. Working with Drexel's patent attorneys was my first real exposure to the field of intellectual property. The experience helped me to see this field as an alternative career path that uniquely catered to my engineering background, passion for innovation, curiosity for new technologies and communication skills.

ADAM CARLSON

31

BS ELECTRICAL ENGINEERING '11

PATENT ENGINEER, MAGIC LEAP

WHERE I'LL BE IN FIVE YEARS The field I work in is both multidimensional and dynamic, which makes it exciting. In the next five years, I plan to be working

somewhere at the intersection of engineering, law and business. I hope to continue to work with cutting-edge technologies in a similar capacity as I currently am.



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MD '10, MPH '14 (UNIVERSITY OF ILLINOIS)

CLINICAL INSTRUCTOR AND CENTER FOR GLOBAL HEALTH SCHOLAR, UNIVERSITY OF PENNSYLVANIA

My Greatest Accomplishment To create and sustain a critical care ultrasound training course in Dhaka, Bangladesh. That launched my global health career, which has led me to Ethiopia with the East African Training Initiative, and soon to Sierra Leone and Nepal.

How Drexel Helped Drexel supported my initiative to create and partake in a one-month international rotation in my fourth year of medical school, which solidified my career path into global health.

Where I'll Be in Five Years My passion to create sustainable education in resource-limited settings will no doubt continue to grow and in the next five years I see myself creating a long-term initiative that can be implemented through MedGlobal, the nonprofit organization I am working with.

Nahreen Husna Ahmed





25

BS MECHANICAL
ENGINEERING '16

PROGRAM
MANAGEMENT
ANALYST, ARAMARK;
FORMER CO-FOUNDER
AND COO, WEGARDN

Greg Donworth

My Greatest Accomplishment Directly out of college I created my second startup, WeGardn, an on-demand farmers' market in Philadelphia. I was motivated by the concept of making local food accessible to a busy urban population and more affordable by cutting out the middleman. During this process, I identified a problem, developed a solution, built a service and created a business that was subsequently acquired.

How Drexel Helped As a mechanical engineering student, I lacked experience on how to start, operate and grow a business. Joining the Baiada Institute startup incubator within the Close School of Entrepreneurship allowed me to become surrounded by small business operators, academics and like-minded individuals who helped to develop me into an entrepreneur. This was the single best resource for building my network, gaining practical skills and overall being part of a community.

Where I'll Be in Five Years Currently I'm transitioning from an entrepreneur into an intrapreneur position with Aramark, where I'm dedicated to proving that innovations have just as much of a place inside an organization as they do externally. As a long-term goal, I hope to create my own innovation studio in Philadelphia where businesses can work together with entrepreneurs and engineers to develop products and solutions, launch business models and overall, create a better future.



ANGELA
HARRIS

BS INFORMATION
SYSTEMS '02

PORTFOLIO
ANALYST,
INDEPENDENCE
BLUE CROSS

39

MY GREATEST ACCOMPLISHMENT Making lemonade out of the lemons life has given me. I am a first-generation college student. My parents didn't attend college but made a way for me to attend college. My mother died from stomach cancer when I was 3 years old, and my father died from prostate cancer at the beginning of my senior year at Drexel. Statistics indicate childhood grief increases the likelihood of criminal behavior, school under achievement and substance abuse. I beat the odds and I managed to graduate a term early while managing my father's affairs and attending classes. I've since obtained a master's degree and started a scholarship for African-American female students

studying in the College of Computing and Informatics at Drexel. I want to ensure the next generation of African-American females entering the tech industry have access to a quality education.

HOW DREXEL HELPED I received a quality education at Drexel and formed lifelong friendships. My degree gave me a solid foundation to start my career and access to a strong alumni network.

WHERE I'LL BE IN FIVE YEARS Living my best life. I expect to be striving as a leader and philanthropist in the tech industry. I am passionate about supporting and increasing the number of women of color working in the tech industry.

38

BS DESIGN AND MERCHANDISING '03

CEO/FOUNDER, KALI ACTIVE INC.

My Greatest Accomplishment Starting this company, because taking the first initial step [toward a goal] can be the biggest hurdle to overcome. Coming from an upbringing that puts a lot of importance on getting a "good job" with a "good company," starting your own brand is not something that gets fully supported right away.

How Drexel Helped Drexel most definitely helped in establishing a solid foundation for my professional career. I am always grateful for the post-college prep Drexel instilled in us. Learning interviewing skills and how to be professional in a work environment is something that has helped me throughout my career in the creative industry.

Where I'll Be in Five Years I am hoping to grow my company into a global multi-product brand and use it as a vehicle to get more involved in charity work and community building. It always feels good to directly impact your surroundings in a positive way. My goal for this company has always been to give back and I hope to get to that stage.

Anjni Raol Singh



My Greatest Accomplishment As a project manager in Morgan Stanley's Financial Crimes Technology Division in New York City, my primary role is to create innovative solutions that allow real-time transaction monitoring that screens, identifies, assesses and mitigates undesirable financial behavior on a global scale. These surveillance technologies have a huge global impact and protect the firm against threat agents like money laundering, tax evasion, identity impersonations and frauds. My work brings me great satisfaction in knowing that the technology solutions I create directly contribute to enhancing the security and safety of client assets and helps to protect the firm against global threats.

How Drexel Helped I attended Drexel as an international student from 2010-13. Throughout my time in the LeBow College of Business I was encouraged by my professors to leverage my strengths. Drexel's core values of entrepreneurship through education played a significant role in creating a solid foundation. The faculty provides instruction with a hands-on and practical approach that played a major role in creating a mindset that viewed every challenge as an opportunity to succeed. From the very beginning I realized that the strength and intensity of the business program transcends its academic repertoire. This helped me to learn new skills and develop the competencies required for success in highly competitive business environments — and also enabled me to quickly acclimatize to my new surroundings.

Where I'll Be in Five Years I want to be among the top five global leading subject matter experts creating innovative, state-of-the-art technologies aimed at the prevention and detection of criminal activities. I would like to leverage the power of artificial intelligence to prevent and detect financial crimes and thereby help build a more secure world.

QUIN Y. LIU

39

MD '04

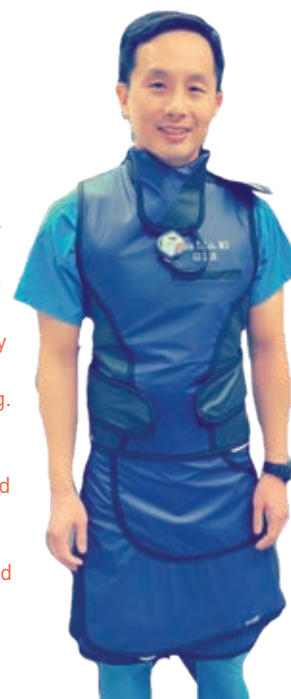
PHYSICIAN, INTERVENTIONAL
GASTROENTEROLOGY; ASSISTANT CLINICAL
PROFESSOR OF MEDICINE AND PEDIATRICS,
CEDARS-SINAI MEDICAL CENTER/DAVID GEFFEN
SCHOOL OF MEDICINE AT UCLA (LOS ANGELES); AND
ADJUNCT ASSISTANT CLINICAL PROFESSOR OF
PEDIATRICS, KECK SCHOOL OF MEDICINE OF USC

MY GREATEST ACCOMPLISHMENT Working collaboratively with physicians and families from across the country and internationally to study and research some of the most challenging medical conditions. These conditions include pancreas diseases and the field of gastrointestinal endoscopy. Having the privilege to work and participate with experts across the country on research and committees has allowed me to contribute to the medical research field and provide patients with the most up-to-date care.

for residency. I also formed great friendships from my years at Drexel's College of Medicine that continue today (it's where I met my wife, Ann Zera Tan, MD '04), and I continue to work together with our alumni today.

WHERE I'LL BE IN FIVE YEARS I hope to continue collaborating with colleagues nationally and internationally in my field and contributing to the evolution of field and patient care.

HOW DREXEL HELPED The College of Medicine provided me with an invaluable foundation for my medical knowledge and training. The teachers, physicians and professors helped to guide me through the process as I prepared



ADITYA VIKRAM KASHYAP

27

BS BUSINESS
ADMINISTRATION '13

PROJECT MANAGER,
FINANCIAL CRIMES
TECHNOLOGY,
MORGAN STANLEY





MATT VIGNOLA

28

BS CULINARY SCIENCE '13

PRODUCT DEVELOPMENT
MANAGER, F&S PRODUCE CO.

My Greatest Accomplishment Upon graduation, I entered an industry that was intriguing, challenging and extremely motivating. Within a few years I had made a name for myself at Chelten House Products and successfully led the product development team through the largest and most influential project in the company's history. I also played a significant role in multiple award-winning product ideas rising above powerhouse companies such as Litehouse, Marzetti and The Clorox Co., to name a few. Being a part of that amazing team and helping the company grow by about 140 percent in six years led me to my current position at F&S Produce Co. I'm sharing my knowledge and helping to build their newly formed product development department from the ground up. I take pride in being part of a family-owned company's growth and success while developing products that are clean label, on trend, innovative and sustainable.

How Drexel Helped

During my sophomore year at Drexel I switched to a new major that had been added to the curriculum — culinary science. It opened many doors for me and made it possible to find a place in a field that has become my passion. It combined the inventive, fast-paced and delicious atmosphere of culinary arts with the realistic and research-based world of food science where I learned to think outside the box. Drexel helped provide me with a career that I love and it also gave me the opportunity to meet my fiancée Rachel. I feel fortunate that Drexel was able to pave the way for so many positive lifelong results, both personally and professionally.

Where I'll Be in Five Years

My plan is to seek a job as a director of food product development in my field. I fully expect to be in the kitchen getting my hands dirty and loving every minute of it while helping the company to grow and providing the type of invaluable mentoring I received throughout my early years.

The company that the Lauren Raske founded in 2014, Wilmington-based 7textures, designs “experiences.” Some describe it as a for-hire art department, with the ability to design and style a wedding, gala or other event. Raske and business partner Britt Killeen work with a roster of about 70 contractors to create luminous spaces and fill them with lavish entertainment and decor.

“People come to us because they have an idea of something they would like to see happen,” says Raske, 33. “We do the art direction, we work in their spaces to create the experience they are looking for.”

A native of River Vale, New Jersey, she graduated Drexel in 2007 with a major in design and merchandising, and a minor in fine arts. While at Drexel a friend taught her the unlikely skill of fire-eating and she became a sought-after fire performer — her first step toward a career in event design.

“Fire is a very pure, elemental material that everybody connects with,” she says. “And there's the danger aspect. People like to be amazed, they enjoy the thrill of it.”

As a performer, she helped to put people in touch with other performers and creative types. The business model grew organically from there, as Raske began to formally assemble teams for performances. Her early gigs included the Philadelphia Fringe Festival, and she also helped curate live art experiences at Spruce Street Harbor Park on Philadelphia's riverfront.

While 7textures undertakes most of its work for private customers at exclusive venues, many in Philadelphia know the company's site-specific work through its highly acclaimed production, The Ghostly Circus, which this summer celebrated its fifth annual performance in Laurel Hill Cemetery. With patrons seated amongst the tombs, performers put on an otherworldly display of fire dancing, aerial acrobatics and other surprises.

The show is a special favorite for Raske, who embraces the opportunity to make pure theater. “It's a show that doesn't have a client, it's just a showcase event where we get to put together these acts for the sake of art,” she says. “It's pretty incredible to see what we can do when we all come together as a group.”

Raske's co-op work as an assistant to a bridal designer had a direct impact on her career trajectory. “I really loved the event production, the fashion shows and the behind-the-scenes work that helped to support the beautiful gowns that we were producing,” she recalls. “That's a lot of what my career has turned into. Whether it's a fashion production or a circus production, it's all about the experience.”

Most recently, 7textures brought The Ghostly Circus indoors as dinner theater for the first time, in a performance at 2300 Arena. “It's a way of taking the experience to the next level, to make it even more delicious,” she says. — *Adam Stone*

Lauren Raske

33

BS
DESIGN AND
MERCHANDISING
'07

WHATEVER
LAUREN
RASKE DOES,
SHE DOES IT
BOLD, BIG AND
BRILLIANT.
WHAT DOES
SHE DO? THAT'S
TRICKIER.



29

BS
MATERIALS
SCIENCE '11MS AND PHD
APPLIED PHYSICS
'15 (CALTECH)PRINEHA NARANG'S
MATERIALS
RESEARCH GROUP
AIMS TO DELIVER BIG
BREAKTHROUGHS
FROM THE
SMALLEST THINGS
IN THE UNIVERSE.

Prineha



You know the saying, “It’s not quantum physics?”

For Prineha Narang, it is.

She’s a computational materials scientist, which means she studies materials at the quantum level, using mathematics, physics and computing power to create models and experiments that allow scientists to engineer technologies of the future, atom by atom.

Her field has the potential to discover new materials and applications that could change everything, Narang says, from our daily gadgets, to our space and energy technologies, to even what we ingest.

“Using quantum measurements, we have the chance to isolate one molecule instead of many,” she says. “When it comes to water to drink or swim in, for example, we could maybe figure out with greater accuracy whether it’s safe or not.” Researchers are also studying materials that could vastly speed up smartphone processing or recharging speeds, she says.

In the meantime, Narang is charging ahead in her own life and career. The five-time Ironman triathlete and runner has been a tireless researcher, first while a student at Drexel, and now as an assistant professor and leader of a research lab investigating quantum materials at Harvard University, where she was one of the university’s youngest appointments.

Just 29 years old, she has been named a *Forbes* “30 under 30” honoree for science, an MIT Rising Star in Physics and a DARPA Rising Star, in addition to academic honors too numerous to detail. “There are times where you ask yourself, ‘Did they really mean me?’” she says. “You consider yourself lucky.”

Back at Drexel, her success has come as no sur-

prise. “Among the thousands of students that I have had the fortune of observing in my 25-year career as a professor and administrator, Pri is unquestionably at the top of our graduates in terms of her accomplishments and the potential for a globally successful career in academia,” wrote A.W. Grosvenor Professor Antonios Zavaliangos, who nominated Narang.

Yury Gogotsi, Distinguished University and Charles T. and Ruth M. Bach Professor and director of the A.J. Drexel Nanomaterials Institute, mentored Narang when she worked as a student researcher at the institute and helped her join IBM’s Thomas J. Watson Research Center during her final years as a student. “She just had such a firm grasp of concepts and an absolute need to take things further,” recalls Gogotsi. “There are those who want to take it easy during those years — she wanted to push herself.”

She’s pushing others, too, to open doors to females in STEM fields, and encouraging women to enter science programs. She’s a mentor for the Harvard Graduate Women in Science and Engineering program and has also contributed to the Women in Computer Science and Girls Who Code programs.

“As much as anything, we have to encourage that these areas are fun,” she says. “We can change the world through knowledge.” — *Eric Butterman*



Carol Hammal

36

MA ART THERAPY
AND COUNSELING '14ART
PSYCHOTHERAPIST,
BEHMAN HOSPITAL
(CAIRO)

MY GREATEST ACCOMPLISHMENT Throughout my seven years working at Pennoni, I have worked on a number of very interesting and complex bridge design projects. One I am most proud of was the I-676 Vine Street Expressway Bridge Rehabilitation Project in Center City Philadelphia. The \$65-million project consisted of the replacement of seven two-span non-composite adjacent concrete box beam bridges spanning

the freeway with new single-span composite steel plate girder bridges. Pennoni was the lead engineer for the project and responsible for the design of the largest of the spans, the 20th Street/Ben Franklin Parkway/Free Library Bridge. This project was complex and challenging because the bridge, when completed, would be 96 feet long and 643 feet wide, carry four different roadways, accommodate pedestrian and bicycle traffic, and create enhanced urban park spaces with planter boxes, plantings, a lawn area and an amphitheater. Many unique design features were implemented to accommodate the

bridge’s expansive width, landscaping and park amenities. Construction began early 2015 and was completed at the end of 2018, a year ahead of schedule.

HOW DREXEL HELPED Drexel’s engineering program, in my opinion, is the best in the nation. The program provided me the fundamental knowledge and skills to be successful. It was also very beneficial to have the majority of my professors have backgrounds as practicing engineers. I also cannot say enough about Drexel’s co-op program. My second and third co-ops were with Pennoni, the company I currently work for. For my

third co-op I was able to do instrumentation, 3D modeling and analysis of bridges, and this is where I realized I wanted my career to be in structural bridge engineering. Also, thanks to Drexel’s co-op program, I had a job waiting for me with Pennoni’s Bridge Division upon graduation.

WHERE I’LL BE IN FIVE YEARS Designing bigger, longer, more complex bridges. Bridges are my passion and I can’t see myself doing anything else. I also hope to be a mentor for younger engineers as well as inspire younger generations to pursue careers in engineering.

WHAT’S YOUR STORY?

What does it take to be named one of Drexel’s 40 Under 40?

Past honorees include authors, filmmakers, fashion designers, and founders of companies and nonprofits. They are leaders, inventors, scientists and athletes. We’re incredibly proud of their stories, because they show how far a person can go with a great mind and a solid education.

We’re looking for our next group of accomplished young alumni. If that’s you, or someone you know, we want to hear from you.

ELIGIBILITY

- Must be 39 years or younger as of March 15, 2020.

- Must have received a degree.

- Should have achieved demonstrated success in business, the private or nonprofit sector, the arts, community involvement or advocacy.

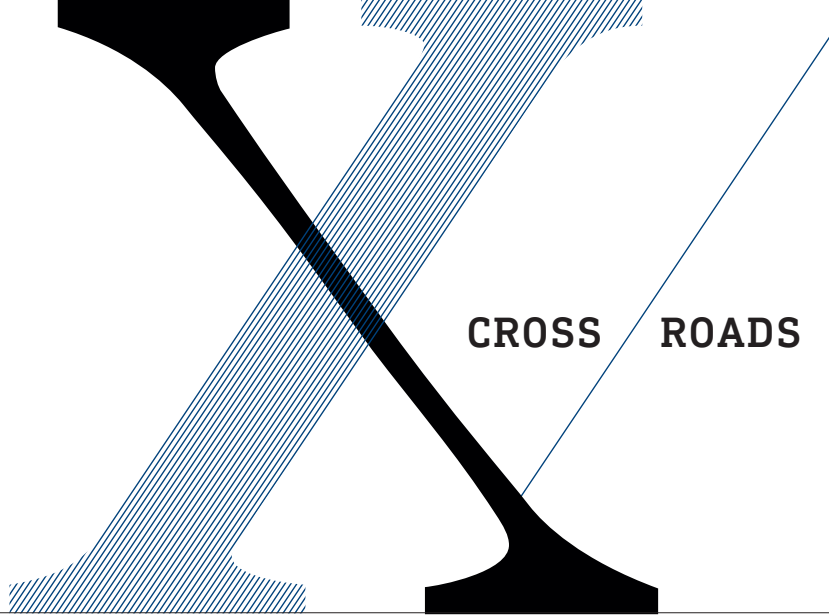
- Must submit nominee’s high resolution photograph and résumé.

Nominations can be submitted at drexelmagazine.org/40U40 or sent to the following mailing address by Aug. 30, 2019.

DREXEL MAGAZINE
40 Under 40 Nominations
3141 CHESTNUT STREET
MAIN BUILDING · SUITE 309
PHILADELPHIA, PA 19104



SHIRA YUDKOFF



The Network that Architects Built

Caitlin Youngster '14 (CY), Sam Emory '15 (SE) and Brian Nunziato '14 (BN) talk about founding and running Drexel's Alumni Architecture Association, what the group means to architecture graduates, and what it means to them.

In 2016, three young alumni started reminiscing about their Drexel days. That led to them forming the University's first official professional affinity group — the Drexel University Architecture Alumni Association (DUAA). Now, Youngster, Emory and Nunziato are working hard to keep the thousands of architecture alumni who have graduated from the program together to network, learn and grow as professionals.

Why did you start the Drexel University Architecture Alumni Association?
BN We were hanging out discussing our time at Drexel. That conversation drove our initial outreach to the University, to see how we could get involved and make the program better. We also wanted to stay connected with all the people we built relationships with in school.

CY There were already smaller networks of architecture alumni, but we couldn't believe there wasn't a framework for all these individual groups to come together. We looked at other universities with prestigious architecture programs, and they have robust alumni associations. We thought having something similar at Drexel would give more gravitas to the program.

What makes this affinity group a valuable resource for architecture graduates?

SE There's a unique quality to the connections that arise out of the architecture program. We're all very tight-knit. Maintaining that social and professional network was definitely on our minds when forming the group.

CY Every industry says they're based on relationships, but it's especially true in architecture. You form networks of people you work well with, and you foster those relationships because it makes for more successful projects.

What was the process for formally establishing the group?

CY We first thought about formalizing the group ourselves. But we decided we needed administrative help so that as the leadership changed over time and people graduated, there was a central contact that would hold all the information and alumni contacts. We hadn't jumped that logistic hurdle yet, but Drexel's alumni relations office made it very easy.



For more information about Drexel's professional affinity groups, visit drexel.edu/alumni or contact the Office of Alumni Relations at alumni@drexel.edu.

CROSS ROADS

CLASS NOTES

CONT.

BN Lauren Villanueva was the first person we contacted. It was very helpful to work with the alumni office because when we had questions, Lauren was there to help, to provide us with information or ideas.

What kinds of events does the group organize?

SE First, we had a traditional happy hour, but it didn't attract the full range of architecture alumni. So now, by layering networking events onto professional development events and educational opportunities, we attract a broader alumni base.

BN We developed the Architecture FIRM-entation series to connect more closely with architectural firms. The events take place at a firm with a Drexel connection, whether a Drexel graduate runs the firm, or a large group of alumni work there. The alumni present on the work that they do and their experiences coming out of school and working in the field.

The tour we organized at the Raymond Farm Center for the Living Arts [in New Hope, Pennsylvania] was an event that let people experience a historic place that's also relevant to the architecture field. We provided time after the tour for alumni to ask questions of the presenters and mingle with fellow alumni. It also highlighted a professor and a graduate of the architecture program [Jennifer Shin '13] who were integral to starting the center.

CY For the Nakashima Woodworkers tour, we were able to leverage our networks and go on a private tour to see buildings that aren't typically open to the public. The event was partially subsidized by Drexel because we're a formally organized alumni group, so we were able to make it more affordable for everyone.

What do you get out of your involvement with the group?

BN It's satisfying to be involved in making the program we experienced better because we would've wanted somebody to do that for us.

CY The architecture field is founded on mentorship and collaboration, so this association is providing more of that for the alumni community. The part we're playing in that is personally rewarding.

SE People come back to Drexel and feel like their degree is alive and valuable and continuing to thrive. That's an important experience to offer alumni, and it's very satisfying to be a part of it.

What is a professional affinity group? Professional affinity groups connect Drexel graduates in similar industries or professions and provide them with opportunities to meet one another, network and stay up-to-date on the trends in a particular field.

Current groups include
Real Estate Alumni Network
// Drexel Marketing Alumni Group
// Alumni in Hospitality
// Drexel University Architecture Alumni Association
// Alumni in Academia

Groups in process of forming include:
Public Sector // Entrepreneurship // Health Sciences // Interior Design

50s

Vilma E. Barr, BS retail management '57, was named as collection editor for sustainable building design for Momentum Press, publisher of books on science, engineering and the built environment.

60s

Joel L. Schwartz, MD medicine '65, released the book, "Shrink Unwrapped."

William R. Abt, BS business administration '69, endowment manager for Carthae College in Kenoska, Wisconsin, was featured in *Bloomberg Business Week* about how Carthae's returns beat Harvard's \$37 billion endowment and most others.

70s

Frank M. Stearns, MS biological chemistry '72, PhD '78, retired CEO of the American Red Cross National Testing Laboratory, published "In Memoriam: Herbert J. Eichel (1924–2017) a Passion for Discovery," in the *Journal of Eukaryotic Microbiology*.

Nolan Kaplan, BS mechanical engineering '73, was named director of mechanical and process engineering at HOH Engineers in Chicago.

Robert A. Jurenka, BS civil engineering '77, was promoted to water treatment group manager at the Bureau of Reclamation in Denver.

Marlene R. Wolf, MD Medicine '77, presented "Targeting the Patient Experience" at the American Association of Physician Specialists Inc. annual scientific assembly in Nashville.

Rocco Biancaniello, BS accounting '79, was promoted to executive vice president, director of internal audit at Firsttrust Bank in Conshohocken, Pennsylvania.

Lourdes M. Santoni, RN nursing '79, MSN nursing anesthesia '97, was hired as a healthcare provider researcher at Actify Neurotherapies in Princeton.

80s

Richard C. Altus, BS accounting '81, joined IMC Construction as the company's first chief administrative officer.

Mark S. Moschella, BS civil engineering '82, was hired at RETTEW as a transportation engineer in the Philadelphia-area office.

Martin G. Belisario, BS mechanical engineering '85, partner at Panitch Schwarze Belisario & Nadel LLP, was named among the 2019 Best Lawyers in America.

Edward Koehler, MS engineering management '85, released his second novel, "Felix Leiter CIA," on Amazon. This is a follow-up to "Felix Leiter USMC."

90s

Katherine K. Wilkinson, MB business administration '90, was elected as new board president of Delaware College Scholars.

Michelle Eskridge-Davis, BS computer science '91, was elected chairman of Red Hat Inc., the world's largest open-source company, based on outstanding middleware architecture evangelizing.

Gina Furia Rubel, BS Corporate Communications '91, CEO of Furia Rubel Communications Inc., was named among the 2018 Lawdragon Global 100 Leading Consultants and Strategists to the Legal Profession. This fall, she presented changes to ABA Ethics Rules at the Delaware Valley Law Firm Marketing Group as well as crisis communications at the LMA Mid-Atlantic Regional Conference in Washington, D.C.

LOVE STORY

From DU to I Do



They met over a can of paint.

Jim Vecchione, BS business administration '10, and Maggie Regan Vecchione, MS learning technologies '12, didn't know each other as Drexel students. They were both employees at the University when Maggie's roommate, who worked in the Office of Alumni Relations, organized an alumni community service event to spruce up a playground and recreation center in West Philadelphia.

Maggie, then an instructional technologist at the LeBow College of Business, just happened to sign up as a volunteer. Jim, who was working as Drexel's executive director of facilities, brought all the supplies.

"I noticed Maggie," remembers Jim, "because she and her friend took all day to paint the door of the recreation center. I went over to help them finish."

Maggie chuckles, "Yes, we were a little challenged in the painting department."

In the months that followed, Maggie and Jim would see each other around campus occasionally. "I even asked him to come to my office to fix my broken desk drawers," Maggie recalls.

Then they started dating. Drexel and the City of Philadelphia made for a perfect backdrop. "It was a really special time for us, and we had a lot of good times together at and around Drexel," says Jim.

They often met for lunch at their favorite place on campus, a park-like green space that Jim's facilities team installed by the volleyball courts at 33rd and Arch streets. Says Maggie, "It was the perfect spot to go to, to get out of the office and enjoy the campus together."

"And then after work," adds Jim, "we could just walk down Market Street and find a great spot for a date."

Maggie and Jim were married in September 2017 in Rhode Island where Maggie grew up and where they now live. Still working in higher education, Maggie is as an instructional designer at Brown University, and Jim is executive director of facilities at Bryant University. — *Louisa Wilson*

INSITES

The view on the way to the top

Drexel InSites brings you fascinating people at the top of their fields who share insider knowledge about where the world is heading in technology, architecture, cybersecurity and more. Treat your thinking to a dose of the future!

ARE YOU READY FOR THE IoT REVOLUTION?

**SPYSCAPE
New York City
May 9, 2019**

Details and registration at:
alumni.drexel.edu/insites



**THE FUTURE IS
A PLACE WE MAKE.**
THE CAMPAIGN FOR DREXEL

View from the 27th floor of newly-opened Comcast Technology Center, taken during the October InSites in Philadelphia



We're interested in hearing about your weddings, new babies, special traditions, group trips and regular get-togethers with fellow alumni. Send stories and photos to **Jesse Kahn** at jtk85@drexel.edu.

CROSS ROADS

CLASS NOTES

WEDDINGS AND BABY DRAGONS

SNAPPED DRAGONS



Neha Sirohi, MD medicine '14, and Ryan Campbell were married June 2, 2018, at Lucien's Manor in Berlin, New Jersey.

Johnathan Corle, BS business administration '70, and **Diane Aumiller Corle, BS business administration '90**, celebrated their 50th wedding anniversary. They took a cruise in Northern Europe to mark the occasion.



David D. Armstrong, BS electrical engineering '65; **Clark H. Bach, BS electrical engineering '65**; **John A. Kukulka, BS electrical engineering '65, MBA business administration '70**; **John A. Newell, BS electrical engineering '65**; **Richard D. Norman, BS electrical engineering '65**, met in August after 53 years for an afternoon of reminiscence and reacquaintance.

Jim Maccariella, BS architectural/civil engineering '92, MS civil engineering '96, was promoted to professor at Mercer County College. He also presented a paper at the 2018 American Society for Engineering Education Conference in Salt Lake City, which outlined the progress of his National Science Foundation S-STEM grant.

John D. Simmons, BS electrical engineering '92, partner at Panitch Schwarze Belisario & Nadel LLP, was named among the 2019 Best Lawyers in America.

Malik J. Rose, BS teacher education '96, HD '09, former San Antonio Spurs power forward, was inducted into the San Antonio Sports Hall of Fame.

James A. Schmidt, BS accounting '99, joined the University of Tampa as an adjunct professor.

00s

John Lamb, MS library and information science '08, previously assistant professor at the University of Alaska Southeast, was promoted to associate professor of Library Science with Tenure in August, 2017. In December 2018, he received an MFA in Creative and Literary Arts from the University of Alaska Anchorage.

Ian B.K. Martin, MD medicine '00, was appointed president-elect of the Society of Academic Emergency Medicine.

Michelle Swanson Brown, BS commerce and engineering '02, senior financial analyst in the office of the chief information officer at Exelon Corp., was awarded the July 2018 Urban Empowerment Award by Year Up Baltimore.

Amber M. Racine, BS history and politics '04, of Raynes Lawn Heh-meyer, received the Judge Doris May Harris Image Award from the Philadelphia Chapter of the National Bar Association Women Lawyers Division.

Frank Falzone, BS civil engineering '05, project manager in Traffic Planning and Design Inc.'s access design department, was named the 2018 Young Engineer of the Year by The Pennsylvania Society of Professional Engineers.

Meredith Clark, BS business administration '06, was promoted to vice president at Urban Engineers.

Create. Build. Define. *Do.*



After 17 years of pastoral training and practice, Robert Ross '19 knew he wanted to help people in a different way. Today, Rob's student research in the College of Computing & Informatics has won prestigious awards. And — thanks to his Drexel co-ops — he knows he is on the right path.



Watch Rob's video at drexel.edu/FutureStudent

Join us as we raise \$750 million and engage our 150,000 alumni plus new friends and supporters.



**THE FUTURE IS
A PLACE WE MAKE.**
THE CAMPAIGN FOR DREXEL

Peter Douglass Yeomans, MS clinical psychology '06, PhD clinical psychology '08, was mentioned in *The New York Times Magazine* on June 13, 2018 for developing a treatment for veterans to help unburden themselves of shame and deliver the truth about war to their fellow citizens.

10s

Raghava Rao Gollapudi MD '99, Hirsch S. Mehta MD '07 and Arvin P.S. Narula MD '10 are fellow Dragons who all work at San Diego Cardiac Center, a private group practice in California.

Timothy Bohinski, BS chemistry '10, was promoted to new product development manager at Ametek Energy and Process Instrumentation in Newark, Delaware.

Ross M. Goren, BS biological science '10, joined Weber Gallagher this week as an associate in the Workers' Compensation Group.

Jena Jenofsky Pashak, BS interior design '10, was promoted to strategic business response design lead at Advanced Office Environments.

Cecilia Vernes, MS library and information science '10, was selected as a recipient of the Sewell Travel Award, a scholarship that gives librarians working in public health information an opportunity to attend the American Public Health Association Annual Meeting and Exposition in San Diego.

Selena Brancifort-Bohinski, BS hospitality management '10, vice president at First Class Travel based in Deptford, New Jersey, was named a 30 under 30 Travel Agent by *Travel*

Agent Central. The national award highlights bright and promising professionals in the travel industry.

Annmarie Chavarria, MSN nursing '11, was appointed senior vice president and chief nursing officer at Abington – Jefferson Health.

Tyler W. Haughey, BS photography '12, published his first book, "Everything Is Regional."

David I. Singh, BS history and political science '12, joined Wisler Pearlstone LLP as an associate.

Eric John Gremminger, BS psychology '18, will be opening a new center for the Sanctuary Health Group in the Poconos of Pennsylvania.

Daniel Fornace, BS digital media '11, was listed among Forbes Magazine's 30 Under 30 Leading a Technological and Artistic Revolution.

Greg Lobanov, BS digital media '14, was listed among Forbes Magazine's 30 Under 30 Leading a Technological and Artistic Revolution.

Jennifer Pesch Waters, MS engineering management '11, was named to the board of the Society of Women Environmental Professionals.

Diana A. Silva, JD law '11, was promoted to partner at the environmental, energy and land use law firm of Manko, Gold, Katcher & Fox, LLP, located in the Philadelphia region.

Drexel alumni work hard and you can **PLAY** hard, too.

Come back for the festivities at Alumni Weekend as we celebrate all things Drexel (except the 8 a.m. classes and final exams).

Friends, memories, laughter and fun...that's what Alumni Weekend is all about. Join us as we raise a glass to the good times, and create new ones!

Featured events include:

- Reunion celebrations for the Classes of 1969, 1989 and 1994
- The Young Alumni Beer Hall
- The College of Medicine All-Alumni Celebration
- Drexel Fest at the Academy of Natural Sciences
- Drexel After Dark at the Philadelphia Art Museum

drexel.edu/alumni/weekend
for a schedule, photos, and registration

ALUMNI WEEKEND 2019
MAY 16-18



HERE'S TO THE GOOD TIMES



24 HOURS_{of} IMPACT
5.8.19 | drexel.edu/24



Friends We'll Miss

1930s
K.C. Kenneth Lau, MD '37 medicine
Elisabeth McCutcheon Ullberg, BS
home economics '38

1940s
Lillie Asburn Mazur, RN nursing
'43
Dorcas Bates Reilly, BS home
economics '47
Henry Brusca, D/C mechanical
engineering '42
Joseph Burcher, D/C mechanical
engineering '42
Richard Clemmer, BS mechanical
engineering '47
Fred Cook, MD medicine '44
Mildred Degan Hall, RN nursing '45
Lewis DeGeorge, BS business
administration '47
Marion Delong Lewis, BS dietetics
'46
Ralph Dumack, BS civil engineering
'49
Eleanore Eichberg DeGeorge, BS
home economics '47
Robert Haskell Gibson, D/C
secretarial '41
Mara Horan Schwenk, Cert.
nursing '47
Catherine Iannotta Sciarra, Cert.
Med Lab Tech '42
Anna Kroner Askman, BS home
economics '43
Adelle Loft Walton, BS home
economics '41
Barbara Mack Gorman, BS home
economics '49
Isabel Ostroff Sobol, BS home
economics '47
Herman Rudnick, MD medicine '43
Harold Sharlin, BS electrical
engineering '48
Walter Shwayka, BS chemical
engineering '49
Pauline Trexler Tyler, RN nursing
'40
John Ullberg, D/C mechanical
engineering '43

1950s
Ruth Addis Marcucci, MD medicine
'55
Bernard August, BS business
administration '52
Richard D. Baltz, MD medicine '59
Doris Benzenhoefer-Tobin, MD
medicine '56

William R. Bogdan, BS electrical
engineering '57, MS aerospace
engineering '67
Bradford W. Bowman, BS business
administration '52
John F. Bradley, BS electrical
engineering '59
Arlene Brands Parker, BS home
economics '54
Anita Bullock Blackledge, BS home
economics '55
Walter A. Butte, BS chemistry '56
Emily Jean Carson, MD medicine '57
Robert N. Casolaro, MS electrical
engineering '58
James A. Collier, BS business
administration '53
Anna Connor O'Riordan, MD
medicine '57
Elaine Cooper Behney, BS home
economics '59
Rosemarie Damweber Kasprenski,
RN nursing '50
Laurajean Defelice Schiavello, BS
home economics '57
James E. Devlin, D/C electrical
engineering '54
Jack S. Frank, BS electrical
engineering '56
Rodger K. Gieseke, BS civil
engineering '59
J. Edward Goff, BS business
administration '58
Richard F. Gombert, BS business
administration '55, MS '64
James P. Gray, BS electrical
engineering '57, MS '62
John P. Henry, BS chemical
engineering '58
Carl E. Hilbert, BS mechanical
engineering '58
William T. Huntsman, MBA
business administration '59
Basil J. Ingemi, MD medicine '57
Adam B. Jablonski, BS business
administration '50
Atida H. Karr, MD medicine '58
Matthew A. Kasprenski, MD
medicine '57
Francis V. Kern, BS electrical
engineering '55, MS '61
Joan H. LaRue, D/C home
economics '52
Nancy Littell Wesighan, BS home
economics '50
Angelo B. MacCarone, BS civil
engineering '56
Lawrence D. Martin, BS mechanical
engineering '58
Ariadne Mayakis Toczek, MD
medicine '55
Joseph R. Nagy, BS business
administration '54

Peter H. Neumann, MD medicine
'58
William W. Olsen, BS mechanical
engineering '51
Rosaline Resnick Joseph, MD
medicine '53
Alan F. Richter, BS civil engineering
'57, MS '64
Herman S. Rubright, D/C civil
engineering '54
Charles Joseph Saile, Cert.
electrical engineering '54, BS '56
Joseph J. Santoleri, BS mechanical
engineering '50, MS '57
Joseph F. Schneider, D/C chemical
engineering '54
Albert C. Slickers, BS business
administration '53
Norman G. Smith, BS chemical
engineering '54
Peggy-Jeanne St. Clair, MD
medicine '53
William M. Steele, BS mechanical
engineering '54
Mary E. Stillman, D/C library
science '52
Robert N. Taylor, MS mechanical
engineering '54
Robert H. Wahlen, BS electrical
engineering '59
Anthony F. Washofsky, BS
mechanical engineering '58
Sol Weinstock, BS electrical
engineering '59
Joseph Wilder, BS electrical
engineering '57
Richard E. Wittig, BS business
administration '57, MBA '68
Joan Zentgraf Murray, BS retail
management '50

1960s
Alan Bailey, BS chemistry '67
Allen L. Baumgarten, BS business
administration '61
Joyce Bockar-Szalkay, MD
medicine '69
Francis L. Buono, MD medicine '62
Edward S. Char, BS commerce and
engineering '65
Daniel Buckley Clemson, MS
electrical engineering '65
Barbara J. Davis Williams, MS
library science '66
Nicholas V. Diaco, MD medicine '64
William K. Erhardt, BS electrical
engineering '63
John M. Freiermuth, D/C
mechanical engineering '61
Kenneth Friedberg, MD medicine
'61
Anne B. Golten Nisula, BS retail
management '65

Roy C. Green, MD medicine '61
Raymond R. Jones, MS physics and
atmospheric science '63
Marvin A. Krein, MBA business
administration '66
Robert E. Leber, MD medicine '61
John V. Lesniewski, BS mechanical
engineering '61
David Eli Lessin, MD medicine '64
Harold D. Luchinsky, BS physics
and atmospheric science '67
Robert T. Martin, BS electrical
engineering '63
Robert F. McAlack, BS biological
science '64
Sheila McLean Houides, RN nursing
'63
William J. Menzel, D/C electrical
engineering '64
Carol N. Nolde Steen, MS library
science '66
Thomas E. Orner, BS mechanical
engineering '69
Patricia A. Peters, MS library
science '69
Anthony G. Ricci, BS mechanical
engineering '60
Richard J. Ricci, BS electrical
engineering '69
Marvin E. Rosenthale, PhD
pharmacology '60
William A. Ruemeli, BS chemical
engineering '65
Frederick P. Sabin, BS business
administration '66, MBA '75
Anne S. Sauers Taylor, BS home
economics '63
Roman A. Sawycky, D/C library
science '62
Joseph S. Shveima, BS chemistry
'66
George W. Smith, BS business
administration '61
Salomon D. Sonsino, BS chemistry
'69
Winfield J. Starr, BS chemistry '61
Frances S. Stine Campbell, MD
medicine '61
H. Randolph Tatem, MD medicine
'63
Maurice C. Timken, MS electrical
engineering '62
Adam G. Trybus, MD medicine '66
Richard A. Watson, MBA business
administration '68
Charles Wright, Cert. metallurgical
engineering '60, BS '62
Audray Ann Zimona Roblenski, BS
home economics '60

Louis V. Brown, BS business
administration '71
Michael J. Crowley, BS mechanical
engineering '73
Philip J. D'Oria, BS business
administration '70
Wayne E. Faux, BS electrical
engineering '72
Joseph V. Fazzi, MBA business
administration '74
Judith Lynne Folkema, MD
medicine '72
Leon Kazmierczak, MS
environmental engineering '73
Zola F. Kobus, BS civil engineering
'73
Paul P. Lamparski, BS accounting
'79
Thomas J. Laughlin, MBA business
administration '70
Benjamin Lichtman, BS mechanical
engineering '71
Arthur C. McClaskey, BS
accounting '79
Leslie M. Moor, MBA business
administration '71

Thomas G. Mulcavage, BS
mechanical engineering '70
Shirley Neal-Parker, MD medicine
'79
Hans G. Nilsen, MBA business
administration '79
Elisabeth Potts Brown, MS library
science '75
Robert W. Rhoades, MBA business
administration '78
Robert J. Schlenner, MS
mathematics '70
Jerry E. Stadd, BS civil engineering
'76
Katrina Streiff, MD medicine '76
William A. Swyer, MS civil
engineering '77
Anthony J. Tanzola, MBA business
administration '70
Leroy J. Thumlert, BS business
administration '73
Dorothy Vaughn Whitcomb, MS
library science '74
Jay R. West, BS business
administration '71
Leah C. Yocum, MS library science
'75

1980s
John William Golden, BS
economics '85
John F. Monahan, BS mechanical
engineering '83
Arthur R. Newmark, MS
mathematics '83
Christopher J. Perillo, BS human
resources management '81
Saul R. Powell, PhD pharmacology
'84
Ann Louise Ramage-Berkoski, MD
medicine '81
Patricia A. Smith, AS physician
assistant '84
George Frederick Summers, BS
finance '87, MS taxation '93
Lam Bich Ta, BS metallurgical
engineering '85
Thomas Brooks Wheeler, MD
medicine '87

1990s
Colleen Crossan Moore, BS finance
'90

Donna Rae May Neron, MS
technology and science
communication '90
Stephen Patrick O'Neill, MS
technology and science
communication '90
Charles Joseph Saile, MS library
and information science '94
Robert B. Shimp, BS chemical
engineering '99
Michael E. Smith, MS technology
and science communication '90

2000s
Wynter Pitts, BS communications
'03
Thomas Patrick Sherwood, BS
physician assistant '03

2010s
Rose A. Beech, BS behavioral
health counseling '13
Colleen Pritchard, MS arts
administration '13

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Crossword

YOUNG TURKS

Peruse our 40 Under 40 to solve this puzzle.

ACROSS

- 1

Section of an organ studied by Rutgers neuroscientist Nathan Fried (BS '08) and Laboratory for NeuroInnovation principal investigator George McConnell (MSBE '03)
- 5

"Nothing but net" sound
- 10

Industry for Grab.in co-founder Pratish Sanghvi (MBA '05), Dil Mil founder KJ Dhaliwal (BS '13), and Philadelphia Union digital strategist Andrew Zwarych (BS '13), informally
- 14

Dark gemstone
- 15

Grocery store pathway
- 16

Cavern sound effect
- 17

Competitive event of interest for writer and performer Denice Frohman (MS '12)
- 19

Disturb
- 20

Running back's attempts
- 21

Firearm wielded in the "Fallout" video game series
- 22

Race by
- 25

Stuff in a bale
- 27

___ Cross [org. with a chapter where Carol Hammal [MA '14] provided art therapy sessions to disaster victims, and another chapter that sponsored a blood drive planned by Curaleaf Massachusetts manager of outreach Katherine Steinberg [BS '16]]
- 28

"Desperate Housewives" actress Longoria
- 29

Rod and Todd, to Ned Flanders
- 32

Indian royal title
- 34

Supercharger
- 36

Professionals such as Bloom Automation employee Pareshkumar Brahmhatt (BS '13), Magic Leap employee Adam Carlson (BS '11),
- 40

U.S. Treasury employee Farrah Moldover (BS '11), and Pennoni Associates employee Carl Oberg (MS '16)
- 41

Tickle Me ___
- 42

African nation where Airfordable CEO Ama Marfo (BSBA '11) is originally from
- 43

"I'll get this done"
- 45

Rock band for which Jon-Michael Marino (MBA '10) serves as Master of Experiences and Activations
- 46

"Thus ..."
- 47

Native Nebraskan
- 49

Tae ___ do
- 50

Flowery ring
- 52

Cambridge sch. that hired Jessica Snyder (PhD '09) as a post-doctoral fellow in its Senseable City Lab
- 54

Wildebbeest, by another name
- 56

On the same page
- 58

Dutch cheeses
- 61

Spotted in the area of
- 62

"Sin City" actress Jessica
- 66

NFL-based reality TV series for which Alexandra Nolen (BS '14) served as an associate producer
- 67

Title role for Jodie Foster
- 68

Grammy-winning Mann
- 69

William Howard Taft's birth state
- 70

Thing planted for each pair of shoes sold as part of an environmental partnership established by Sylven New York founder Casey Dworkin (BS '13)
- 71

___ Canyon National Park
- 72

High-efficiency bulbs used by GrowFlux [horticultural company co-founded by Eric Eisele (BS '09) and Alex Roscoe (BS '13)], briefly

1	2	3	4		5	6	7	8	9		10	11	12	13
14					15						16			
17					18						19			
				20						21				
22	23	24						25	26		27			
28				29		30	31		32		33			
34			35			36		37				38	39	
40					41						42			
43				44						45				
			46				47		48		49			
50	51			52		53			54		55			
56			57			58	59	60						
61						62					63	64	65	
66						67					68			
69						70					71			

DOWN

- 1

Apt rhyme of "chop"
- 2

"Mind Train" musician Yoko
- 3

"Until next time!"
- 4

One in a cast of thousands
- 5

Tells
- 6

One of three offered by a genie
- 7

Castaway's locale
- 8

Symbol in many a URL
- 9

___ and haw
- 10

"Meet the Parents" actress Polo
- 11

Like the cleaning applications developed by RideKleen (car-cleaning service founded by Pratik Patel [BS '06])
- 12

Home of Santiago
- 13

___ up (in hiding)
- 18

"Ransom" actress Rene
- 21

TV host Seacrest
- 22

"Don't let those guys escape!"
- 23

Small egg
- 24

Like the locally grown food made more accessible by WeGardn (startup co-founded by Greg Donworth [BS '16])
- 26

"Tosca" or "Turandot" tune
- 30

Soda brand that sounds like a type of sock
- 31

Offering from a flight attendant
- 33

Noble gas in bright lights
- 35

Buoyant vessel, hopefully
- 37

Chew on, rodent-style
- 38

Out of bed
- 39

One who doesn't show emotion
- 41

Narrow valley
- 44

Campground seats, maybe
- 45

Former U.N. secretary general Kofi
- 48

Made porcine noises
- 50

"I ___ to do that"
- 51

One wasting time
- 53

Flight name until 1997
- 55

Bar perch
- 57

Like every American president so far
- 59

Humor columnist Bombeck
- 60

Garden in the book of Genesis
- 62

Witch
- 63

Ernesto Guevara, familiarly
- 64

Youngster
- 65

"The ship is sinking!"

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PUZZLE BY EWAN BIRNHOIZ

