THE FUTURE OF WORK
Reimagine is our commitment to raising the resources it takes to change the world, not in a small way or a single way, but in multiple, meaningful ways—swiftly and simultaneously. By focusing on four key themes, we’re going to change the future for Philadelphia and beyond:

**People** Leading Optimistic Revolutions

**Spaces** that Heal and Inspire

**Communities** United for Health Equity

**Discoveries** that Improve Lives

This is your chance to make a difference. This is your moment to say, “I’m in.”

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ON FORECASTING, JEDI Master Yoda says this: "Difficult to see: always in motion is the future." He’s right of course. Then again, recognizing that the future is “always in motion” is already knowing something about it. If you want to make tomorrow happen today, the trick is learning how to look at things in fresh ways, how to master the creative thinking that’s at the heart of innovation in every field.

At Thomas Jefferson University, creativity is more than an elective: It’s the core of our curriculum. And innovation is more than a hobby: It’s how we’re preparing students for the professions of tomorrow. The future of work—and the work of the future—will depend as much on workers’ ability to adapt and tap into creativity as it will on field-specific training.

The professions of today seem fixed, but they’re in motion too. Teaching students how to stop, look, and reimagine—to see problems and devise solutions in completely new ways—is how we’re making sure graduates are ready to take on whatever comes next.

When Philadelphia University and Jefferson came together four years ago, a lot of heads turned. An article about the merger in Forbes began with the statement, “This is not your typical ho-hum merger.” They understood it was about disruptive innovation.

Innovation is all about creating the future. The story about our Creativity Core Curriculum and our Hallmarks Program gives some insight into how Jefferson is preparing students not merely for the job they’ll get right out of college but for the perpetual motion of an entire career.

We like to say that Jefferson is rewriting the rules for higher education. And we are. The Class of 2021 is the first cohort of students to have the full four years of their undergraduate experience as the new Jefferson rewrite. And as I said at this year’s Commencement, this group is as talented as any in our collective institutions’ history.

If you want to see how the new rulebook is playing out, take a look at the story about our Celebration of Innovation. I’m blown away by our students and their projects—from cookbooks to vaccines, from architecture to science, from interdisciplinary collaborations to industry partnerships. There are no boundaries, no limits, and no turning away from challenges. With all the changes brought by the pandemic, our students never missed a beat. In fact, they flourished—and had fun along the way. They have a lot to be proud of—our students are creating the history of the future.
“Change is good,” observes Allen Sirkin ’64, H’10, on page 58.

This issue of Jefferson Innovator finds hope and even fun in all kinds of change. For Aaron Ulland (p. 28), change means conquering “the beast.” His life was turned upside down by a stroke that paralyzed the left side of his body. But in a study seemingly out of a sci-fi story, Jefferson researchers are changing his odds by implanting an electrode in his brain that’s returned movement to his arm.

For the students at this year’s Celebration of Innovation (p. 42), change is about new solutions, putting novel ideas into practice to make the world a better place.

For higher ed, Covid19 disrupted—or maybe accelerated—thinking about the future of work, revealing the primacy of skills like creativity and adaptability and constant learning. Jefferson saw this trend before the pandemic, so naturally changed the curriculum to weave creativity throughout all courses (p. 52).

For the inimitable Farai Simoyi, director of Fashion Design, change is something to embrace (p. 36). “I think sometimes people want to make a switch, start a new project, or go into a new career,” she says. “Why wait? Life is too short—the time is now!”

Check out videos and exclusives at magazine.jefferson.edu
Create What’s Next

Thomas Jefferson University is crossing disciplines to bring unrivaled innovation and discovery to higher education. Through boundary-breaking collaboration, research and hands-on experiential learning, we equip graduates with leadership and analytical skills shaped for an accelerated job market.

Our unfamiliar world of the moment has unfolded in a most surreal way these past 15 months, and the post-pandemic path forward is at best hazy. As we emerge from this haze, we struggle to contextualize, and to chart a new reality individually and institutionally. Our unsettled feelings emanate from more than a pandemic. There’s also the backdrop of the technological whirlwind of our digital age and the concomitant societal upheaval and political fracture. Ahead lies a wondrous, digitally-powered frontier, yet one in which everything moves at zoom speed. Immediate results are the name of the game. A sense of never-ending urgency pervades. What inner quality can we tap into in order to navigate the post-pandemic haze? Well, one that should have earned him a second Nobel Prize, this one for medicine. Together with Dr. Samuel Levine, Lown developed the cardiac defibrillator, a device designed to shock hearts back into rhythm when they go off the electrical rail. The defibrillator fundamentally transformed the world of cardiology, but its impact in the world of medicine didn’t end there. Viewed through an intellectual history lens, Lown’s mid-20th-century invention seeded a more fundamental meme: machines and organs conversing, a mechanical device restoring things gone haywire in the body. There are almost endless downstream possibilities. But they take time to unfold.

Here’s one. A few months ago, a team of Jefferson neuroscientists developed a technological marvel, a device that translates thoughts in the brain into mechanically actuated movements. The patient was a 43-year-old man who suffered a stroke, leaving his left arm limp. Our neurosurgeons implanted an electrode array into his brain that could detect his thoughts and translate them into action. All he had to do was think of moving his left arm and a computer process actuated an exoskeleton that moved his arm and fingers. Within three months, this patient was able to perform all kinds of thought-initiated, exoskeleton-powered tasks, such as picking up a pill bottle from one tabletop and delicately transferring it to another.

The evolution is obvious. Once a Lown-Levine duo establishes that a machine can talk to an organ, it’s only a matter of time before a Jefferson team takes the paradigm and finds a way to make an organ talk to a machine. This journey from machine-to-organ cardiac defibrillator to an organ-to-machine brain-computer interface took more than 60 years. This is scientific patience.

So, class of 2021, emerging from a pandemic, we must imagine and then realize our highest aspirations, even if this demands patience. Instead, learn patience, aspire to the heights, and then persevere. Play the long game.


Mark L. Tykocinski, MD
Provost and EVP for Academic Affairs
Thomas Jefferson University
Anthony F. and Gertrude M. DePalma Dean
Sidney Kimmel Medical College
Correction: Thanks to our alumni, including our legendary 1970 team, it was brought to our attention that two of the archive images we originally published were incorrect. We sincerely apologize for this error and have updated these photos as of October 5, 2021. A correction will also be included in the next issue, and there will be additional photos to honor the 1970 champions.

Editor’s note: Like so much else in 2020—concerts, weddings, sports, life in general—celebrating the 50th anniversary of the Rams’ NCAA championship was put on ice. However, as part of the Class of 1970 ‘virtual’ reunion hub, the Office of Alumni Relations revisited the championship season with Great Moments in Rams History, featuring an online conversation with head coach Herb Magee ’63, team captain John Pierantozzi ’70, and Robert Cunningham, director of athletics communications. Then on March 16, 2021, the Alumni Relations team aired a re-watch of the championship game on its YouTube channel. The following quotes are pulled from these programs. In this issue of Jefferson Innovator, we took the Time Machine back to 1970 to admire those golden champion Rams.
If you want the drama—the one shining moment, the last-second jumper, the full-court chase-then-block to swing the game—the champion 1970 men’s Rams aren’t the team for you.

This gilded group glided effortlessly past the competition, a one-in-a-million narrative cousin to the ‘92 U.S. Olympic squad or the ‘96 Bulls or the assembled Avengers in Endgame. Verily, these young men snatched the loom from the Fates to weave their own destiny.

You wouldn’t have guessed it going into the 1969-1970 season. They weren’t on any of the coaches’ or sportswriters’ polls. The team was guided by a young Herb Magee ’63, only 28 years old and in his third season as head coach. The tallest player stood about 6-foot-5. The Rams won by 27 over Youngstown, to take the title.

As David Foster Wallace might put it, their movements are “lithe rather than athletic.” They glide, more like Flyers than 76ers. They don’t stop moving. The Rams met the moment. They win by 27 over Youngstown, 18 over Ashland, 48 over American International, and 16 over Cal Riverside, before the title game with mighty Tennessee State.

Thirty-two teams competed in the 1970 NCAA College Division Basketball Tournament, played in Evansville, Indiana, known colloquially as “River City.” The spotlight was on, too, as it was the first tournament the Rams would be featured on national TV.

The Rams met the moment. They won it all. Tennessee State’s McClain gave it a strong second half to pull within 66-62 with 4:20 remaining. But Pierantozzi made a key defensive stop to spring an 8-0 run, sealing the win. The final score was “close,” 76-65.

It was clobbering, but it was beautiful in the way that all excellence in sports redefines the notion of what’s humanly possible. The Rams starting five played all 40 minutes, everyone scoring at least 24 points.

In 2006, Magee told ESPN, “I remember saying at the time—and not trying to be cocky—’That was pretty easy.’”
Amirah Hutchinson, BS in Fashion Merchandising and Management

Tragedy almost sidetracked Amirah Hutchinson’s Jefferson journey. Her father unexpectedly passed away from a massive heart attack on Christmas Day 2019. Support from faculty members, especially Nioka Wyatt, Juliana Guglielmi, and Camille Avent, helped her to overcome the initial grief, she says. These “core three” provided valuable guidance and opportunities at Jefferson as well.

Along with participating in the study away program in Paris and the New York immersion program, Hutchinson worked at New York, Philadelphia, and Capitol City Fashion Weeks, where she assisted fashion leaders like Grayling Purnell, David L. Turner, and Anthony Williams. These types of experiences landed her an internship at Gucci last year. Hutchinson instantly impressed the managers, and they offered her a full-time position as a client adviser.

Alexandra Leto, MD, Sidney Kimmel Medical College

Coming into her fourth year of medical school, Alexandra Leto remained unsure about what area she wanted to specialize in for residency. That changed after her work as director of the Jefferson COVID-19 Student Volunteer Initiative.

As part of this multifaceted volunteer initiative, she manned the buzzing phones during the initial COVID-19 surge. Leto and other students helped virtually triage patients and assist them in transitioning office visits to telemedicine, provided current COVID-related info to the public, staffed the Jefferson employee hotline, and participated in vaccine administration. Leto called it an honor to vaccinate some of the first ICU nurses this past January.

Graduating students reflect on their time at Jefferson as they look ahead to bright futures.

BY MIKE BDERKA
Ahmed Meselhy, MS in Sustainable Design

Improving life for his community became the focal point for much of Ahmed Meselhy’s time at the University. He worked on a project to plant more trees in the area and fight climate change, organized a United Nations Association panel on happiness and well-being in cities, and spent months developing a sustainable air conditioner that uses 72% less energy than traditional models. He presented his prototype to Jefferson’s Innovation team, and they helped him file a provisional patent for the invention.

In addition, Meselhy, winner of the University’s Excellence in Sustainable Design Award, regularly worked with the Office of Global Education and Initiatives to help Jefferson students from around the world get settled and feel more comfortable in Philly.

Justin Merced, MS in Biopharmaceutical Process Engineering

After serving in Iraq and Afghanistan as a combat medic and infantryman, Justin Merced returned to civilian life and discovered a love for biology while attending community college in Massachusetts. The Army veteran went on to earn his undergraduate degree in biological sciences from Rutgers. After working in the industry for several years, he enrolled in Jefferson’s biopharmaceutical process engineering program at the Jefferson Institute for Bioprocessing (JIB), where he has now been offered a position as an associate scientist.

Bendriel Oniyama, BS in Law and Society

Bendriel Oniyama’s degree isn’t just for her. The law and society student says she owes much to her family—immigrants from Liberia—who pushed and inspired her during the pandemic.

As a senior, she founded Jefferson’s Law and Society Honor Society, which collected essentials for Philadelphia’s unhoused population, raised money to help fund LSAT courses for peers, and organized several roundtables. Oniyama is currently applying for a Fulbright Scholarship. Other post-grad plans include either attending law school or applying for a foreign service position in the State Department.

Megan Loyer, BS in Nursing

Preparing to be a nurse during the pandemic helped FACT-2 student Megan Loyer become a stronger healthcare provider. Loyer always believed she would enter healthcare, but after watching her sister and father pass away, she knew she wanted to focus on palliative and hospice care nursing.

At the University, Loyer served as president of the Jefferson Nursing Student Government Association. In this role, she partnered with Philabundance for a food drive and spoke at the opening of the Dixon Campus of the Jefferson College of Nursing. Loyer says she will look back fondly at her time at the University, especially the tight connections she made with her classmates and the nonstop support she received from professors.
Her P.S. read, “Also, I’m sure you’ve been seeing how COVID cases have skyrocketed in India over the last few days. I’m wondering if you know whether there is any way to collect PPE to donate to facilities and charities there?”

Lau then reached out to Anthony Moscatelli, associate vice president of supply chain at Thomas Jefferson University Hospital (TJUH). The results have been nothing short of amazing.

Tapping into their social networks of friends and associates at Jefferson, other local medical schools and entities, and social workers in Bangalore, they launched a relief effort.

In addition to TJUH’s donation of 900 pounds of PPE, including some 20,000 N95 masks, 4,000 gowns, ICNA Relief – Shams Clinic donated tracheostomy care kits, catheter suction kits, nasal cannulas, adult heated passive circuits, and more PPE.

Shaik’s efforts were picked up by major media outlets like the Washington Post and caught the eye of celebrities on social media like Ellen Pompeo from the show Grey’s Anatomy.

Nafees Norris still remembers cutting his finger when he was seven years old. Rather than running home for a band-aid, he watched the bright red droplet, full of red blood cells, white blood cells, platelets, and clotting factors, beginning their work to patch the gash in his finger.

It was the beginning of what would become a drive to learn about the natural world, the seed to become a scientist.

Norris became the first in his family to go to college, the only African American man in his biology program at Neumann University, and the first African American in his graduate program at Jefferson Institute for Bioprocessing (JIB). He’s currently working towards a master’s degree, with an eye toward a PhD.

Norris’ college journey wasn’t an easy one. From near failures and periods of homelessness, he considered dropping out more than once.

But he stayed with his studies, buoyed by teachers who believed in his potential.

With every challenge he faces, with every step forward, he thinks of students like him who might follow, and what it means to pave that path. He’s paying it forward by mentoring younger students, speaking in schools and churches about his story, and helping launch a scholarship award for high school seniors who are underrepresented in STEM fields.

“I’ve seen many kids like Nafees,” says Cameron Bardlivng, PhD, director of operations at JIB. “Very bright kids, who don’t get that opening. It’s not just exposure to science and math that will help kids succeed. The change has to be structural.”

Leaders at Jefferson and JIB are working to create a program for developing the next generation of leaders in the African American community to go from MS to PhD and MBA, establish partnerships with industries, and fast-track them to executive-level positions.

Researchers Loukia Tsafoulia, assistant professor in the College of Architecture and the Built Environment (CABE), and visiting assistant professor Severino Alfonso are using the emergence of big data to investigate physical space as an informational environment in which architects, planners, and designers can develop strategies in response to social, experiential, and environmental considerations.

One of the main questions they are trying to answer is,
What is the process of linking humans, machines, and spaces, and how to navigate it to better understand the human-nonhuman interactions that occur within our built environment?

Tsafoulia’s research examines transiency in its various social, performative, and tectonic expressions, and focuses on the notion of flux as a productive force at multiple scales. This includes the human body’s interactions with the objects and environments it negotiates, as well as the social body and its movements—both forced and voluntary—through physical spaces. Alfonso’s research explores the digital realm of design and theory, investigating the relationships between the instrumentality of building systems, the aesthetics and politics of software, and the digital technologies’ impact on the built environment.

Their combined interests—both theoretical and applied—meet in the mission of the newly minted Synesthetic Research and Design Lab, a collaborative research and prototyping platform where interactive design, art, and emergent health sciences meet.

Architecture and design fields have historically been confronted with dipoles such as theory versus practice, objectivity and subjectivity, human and machine, and mind and body,” says Tsafoulia. “Our interest lies in the possibilities of cutting across and smoothening these distinctions.”

Several years ago, a few occupational therapy students came to Dr. Audrey Zapletal, director of the MS in occupational therapy program and assistant professor, voicing concerns about a gap in the curriculum, which addressed different backgrounds and body types but did not account for gender identity. That candid feedback inspired her and colleagues to develop a standardized patient experience that included members of the trans community within the simulation curriculum. Zapletal soon partnered with Dr. Carla A. Bell, associate professor of physical therapy; Dr. Susan Toth-Cohen, director of the post-professional occupational therapy doctorate program; and Dr. Tracey Vause Earland, associate professor of occupational therapy, to create the Faculty/Staff/Clinician Development Program for Sexual and Gender Minority Education and Training (SG-MET).

“There are other educational workshops,” says Bell, “but nothing this comprehensive as an interdisciplinary/interprofessional development opportunity.”

Fashion merchandising and management assistant professor Juliana Guglielmi knew she couldn’t pass up the opportunity to gain tangible and real-world knowledge of the inequities existing among sexual and gender minorities.

Irene Jackson, director of clinical practice for the new MS in speech-language pathology program, joined SG-MET to enhance her knowledge and learn strategies to make sure her program created an inclusive environment for students, faculty, and staff from the start.

Zapletal says she sees these “a-ha moments” all the time during the program. They often come in the way of simple, but important, efforts. For example, on the first day of class, Bell introduces herself with her pronouns and has her students do the same.

Going forward, the team wants to grow enrollment for SG-MET—and they feel poised to do so after the first two successful years.

“It’s a safe space to share perspectives, resources, ideas, and Jefferson policies. That’s so powerful,” Zapletal says.

To watch the full video, scan the QR code with your smart phone camera or visit jefferson.edu/synesthesia
Three Jefferson Students Take Prizes at Design Competition

BY CINDY LEFLER

The complex textures of Jacquard are literally woven into the fabric of history, with its origins dating back to sixth-century Italy. Today, three students in the Textile Design program at Thomas Jefferson University have woven their way into the history of fabric with wins in the 2021 Virginia Jackson Design Competition.

The students have taken top prizes in the Jacquard category of the national contest that recognizes the most talented students in the field of textile design. First place went to Kristen Tynan, MSTD, ’20; second place went to Emily Robinson, MSTD, ’20; and honorable mention went to Olivia Grasso, BSTD, ’22.

The competition was founded in 1995 as the International Textile Alliance Design Award and was later renamed to honor the late Virginia Jackson. Over the past decade, Jefferson students have consistently won top prizes in the annual competition.

This year’s first-place winner, Kristen Tynan, a Textile Design student, spent two months as an artist-in-residence in Iceland teaching herself how to weave. “Learning how to use a floor loom was challenging, but it led me to where I am today,” she says.

Tynan, who is from New Jersey, sought out Jefferson’s program because it provides both creative and technical training. She also appreciates the support and teamwork both within her cohort community and with other departments. “We work in shared, collaborative spaces where you could always ask a professor or fellow colleague for advice or feedback,” she says. “I also really love collaborating with other departments, especially fashion. It’s exciting to work with other creatives and to be part of the technical translation needed to bring their vision to life.”

Tynan is looking forward to her next project—working with a group of Jefferson furniture students to develop a neurodiverse-friendly textile for a chair design.

“The best part about studying at Jefferson was the community that formed in the Textile Design studio, as well as the access to amazing equipment,” she says.

Robinson is currently working on commission pieces in her home studio. Honorable mention winner Olivia Grasso says she appreciates Jefferson’s smaller campus and close-knit community, which provides the opportunity to work closely with professors and peers.

“The best part of my studies is the creativity that is consistently encouraged and inspired by professors and peers, as well as the challenge of learning new programs and equipment in the studio,” she says.

Grasso, a Jersey girl who lives close to the beach, garnered her award for a design that was inspired by the light reflections on the ocean.

Pictured top to bottom, Emily Robinson, Olivia Grasso, and Kristen Tynan.
Industrial Design Student Puts Best Foot Forward with New Balance

Concentrating in soft goods, Alexandra Grant earned a spot in the competitive internship program.

BY MIKE BEDERKA
The Nexus allows us to share inspiring Jefferson stories.

Learn what “redefining humanly possible” really means as told by our students, faculty, staff and alumni.

jefferson.edu/nexusinnovator

in the color and material design category along with fellow Jefferson student Elena Krupicka, who ended up winning the title.

While Grant missed out on the top spot, the process revealed additional opportunities through Pensole, including the internship at New Balance. She submitted an original shoe concept and design online (see above) for consideration in the highly competitive program.

“The site kept crashing because so many people were applying,” she recalls.

A short time later, Pensole offered her one of the 30 coveted spots. Grant spent three weeks from January to February 2020 collaborating with experts and top design students from around the world.

For the project, teams of three spent up to 14 hours a day researching, designing, problem-solving, and pitching a performance and lifestyle New Balance shoe to be sold at Foot Locker.

“I learned so much from the experience,” says Grant, who hopes to enter the performance material design field after graduation in May. “I gained so many connections, and it opened my eyes to this entire industry, especially the material and color realm.”

Having previous internships with luxury home furnishing company MacKenzie-Childs and medical device firm Hillrom, as well as taking part in Jefferson’s fast-paced annual industrial design week-long sprint competition, Grant was able to excel at New Balance.

“I came in knowing not just how to work hard but also how to work smart,” she says. “That helped me get the maximum out of the opportunity.”

Final Concept and Features

elastic webbing

weft knit upper

heat sealed tpu

eva foam midsole

rubber outsole

detachable sock liner for sand removal

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One stroke patient’s journey to help researchers understand if brain implants connected to a robotic arm brace can help him ... and eventually other survivors ... restore movement.
The morning of January 19, 2019, Aaron Ulland got up in the middle of the night, took a few steps, and collapsed. He thought that he might have thrown out his back, but he couldn’t get up. The next morning, his mother, Holly Ulland, found him on the floor next to his bed. She noticed, terrified, how his left arm dangled at his side. At only 39 years old, Aaron had suffered a stroke.

Stroke in young people like Aaron has been on the rise in recent years. The majority of strokes occur in adults over the age of 65 and lead to permanent motor disability in over 80 percent of cases, with half of all survivors requiring long-term care. And the numbers are staggering. In the United States, it’s estimated that someone has a stroke every 40 seconds. Every year, 17 million people worldwide have a stroke, leading to permanent disability more often than any other medical condition.

That morning, Aaron’s life, and Holly’s, changed completely. As EMTs loaded Aaron into the ambulance, he turned to his mom to say something. “But his words came out garbled,” says Holly. “He just had tears rolling down his face.” She feared he wouldn’t be able to speak again. The stroke, which hit at least two major parts of his brain, had paralyzed Aaron’s left side and made it difficult to speak, swallow, walk, and see.

Although intensive rehabilitation over two months helped Aaron regain many abilities—he was able to walk short distances with a cane, to speak and swallow—he, like so many other stroke survivors, lost his ability to work and a good deal of his independence. He didn’t know it then, but in two years Aaron’s life would change dramatically again. He would become the first person with this common type of stroke to be implanted with brain electrodes—a brain computer interface (BCI)—that would send signals from the brain to a robotic arm brace designed to move his weaker left arm.

BCI implants were first pioneered in humans some 15 years ago. Patients paralyzed from the neck down were able to use their thoughts alone—as read by these brain-implanted electrodes and interpreted by a computer—to power electrical devices such as a computer cursor or a robotic arm or chair. These patients’ spinal injuries had broken the connections between their brains and bodies, but their brains were otherwise healthy. In stroke patients, however, parts of the brain go dark and die.

Could brain implants connect with still-living neurons near the area impacted by stroke, and could they learn to control movement? Would Aaron’s brain be able to control a fitted, robotic brace to help him improve his fine-motor control of his weakened arm? Researchers at Jefferson’s Sidney Kimmel Medical College aimed to find out through the Cortimo trial.

Conquering the Beast
After Aaron’s stroke in 2019, two months of inpatient rehab helped him walk again, but not very far. “During his first day of rehab, he took a total of 12 steps, and collapsed back down, exhausted,” recalls Holly. He got a wheelchair for use at home, but it was too big to navigate inside the house. Holly dubbed it “the beast.” They’d use the chair for longer trips, like walking their dog, Gator, around the neighborhood.

They’d start their walks with “the beast” at the end of their driveway so Aaron could walk to it. Each day, Aaron asked his mom to move the wheelchair a little bit farther—to the fence post, then the stop sign, then down the street. Until one day he walked the loop of their neighborhood—1.2 miles—without needing the wheelchair once.

“Aaron’s drive to improve, to succeed, to become more independent, that tenacity was such an important aspect to the success of this trial,” says the lead researcher of the Cortimo trial, assistant professor Mijail Serruya, MD, PhD, who was part of the team that had implanted the first human with brain implants 15 years ago.

The pre-screening for the trial was slated to begin in March 2020, with brain-implantation surgery in April. But the plans came to a screeching halt as Philadelphia began to shut down. Schools closed and all non-essential staff had to stay home to slow the spread of COVID-19. All clinical trials at Jefferson, including the Cortimo trial that Aaron had signed up for, were halted.

Time to Reboot
“Aaron was so worried,” recalls Holly. “That whole summer, he kept saying ‘I hope I don’t lose the trial.’” By the middle of the summer infection rates had slowed, and the restrictions on clinical trials began to lift. The team re-booted their plans. Soon, the team had set a new day for surgery—October 23.

Despite the difficulty ahead, despite knowing that he’d have brain surgery twice—once to implant the brain electrodes, and once to remove them—Aaron, would be his to keep. He’d have become excited by the possibility that the clinical trial offered him. He’d have the chance for additional intensive rehabilitation through physical and occupational therapy and learn to use a robotic brace fitted for his weakened arm.

The brace, custom-made for Aaron, would be his to keep post trial. More importantly, his participation would inform future treatment for stroke.

It’s estimated that someone has a stroke every 40 seconds.
patients like him. “Aaron knew this trial stood to help lots of other people with stroke one day. That really mattered to him,” says Holly.

The Road to Brain Surgery

While Aaron got ready, so did many other experts working on the Cortimo project. Three weeks before surgery, Aaron came in for an MRI to locate the exact area of the brain that needed stimulation. Holly said her team would use the MRI images to design a 3D medical replica of Aaron’s brain. The replica would help the surgeons and engineers meet at the Jefferson where Aaron stayed. The day of surgery finally arrived: Friday, Oct. 23.

Mind Games

The day of surgery finally arrived: Friday, Oct. 23.

Holly was a few floors away nervously waiting for updates from Dr. Serruya and the team. “He’s grown up. But he’s still my little boy,” Holly says.

The four electrode arrays were successfully placed, with wires leading through Aaron’s skull into two ports externally visible at the top of his head. His three-month, intensive journey to answer the clinical trial question had begun.

Every day, Aaron, Dr. Serruya, and his team of engineers would meet at the residential hotel suite near Jefferson where Aaron stayed. At the beginning of the day, an electrical warming blanket was placed on Aaron’s left arm, to relax the abnormal tension and relax the curled fingers of his weaker left arm. Then, Dr. Serruya would plug one of the ports sticking out of Aaron’s head into a massive computer that would record the signals from individual neurons just next to his stroke.

Now the real work had begun. “This is like learning to walk, but learning it every day, while the floor shifts under you and the laws of gravity change,” says Dr. Serruya.

Before Aaron could learn to control the robotic brace, the computer algorithms had to learn from Aaron—using artificial intelligence (AI). The electrodes recorded the “voices” of Aaron’s neurons in his brain, as Aaron controlled the movement of a small dot or characters in a simple computer game—with his thoughts.

Then, the team would pinpoint the individual neuronal cells in Aaron’s brain with the strongest and clearest voice. They were looking for cells that “fired” or activated in time with Aaron’s intention to move—a task made infinitely faster with the help of machine learning approaches.

The Breakthrough

Once the researchers had pinpointed the right neurons and trained the computer algorithm, it was time for Aaron to test it with every ounce of his reduced motorized arm brace—first using his residual arm muscle to work the brace and then, finally, bypassing the muscle to control the brace with only his brain.

“When we bypassed the brace’s muscle control with the brain control coming from the implants, it worked,” says Dr. Serruya. “Aaron said it felt natural. That day was a breakthrough.”

There were other times, though, that it seemed as if the neurons the research team chose to be the day’s main “voices” weren’t the right ones, and Aaron struggled to control the arm smoothly. “If the brace does not respond quickly enough, he fights it,” recalls Dr. Napoli after a difficult week. “As soon as you put the brace on, it frustrates him when it doesn’t always do what he wants.”

What the team soon discovered was that the brain signals they were recording in Aaron, a stroke patient, were quite different than what they were expecting based on years of research in patients with spinal cord injuries. They had to change the algorithm design to give Aaron better and more consistent control.

“What we’re studying is much more relevant to all of the people who live with disability from stroke. But for that reason, it’s also more challenging,” says Dr. Serruya.

With wireless implants on the horizon, and with what Dr. Serruya and the team have learned from Aaron, it’s conceivable that in the next decade, patients like Aaron could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires). They could get fully implanted and wireless devices (rather than wires).

What the Ifs

A different possibility—though the Cortimo trial wasn’t designed to test it directly—is even more intriguing. Could an implant, coupled with intensive training and rehab, help retrain a portion of a stroke patient’s brain to form new connections needed to improve mobility? Could there be more sustained improvements in mobility even after implants are removed?

One afternoon near the end of the trial, after Aaron’s arm had been resting under a heated blanket to relax his muscle tension, Dr. Serruya stood a few feet away. “Let me see your arm,” he said to Aaron. For the first time in nearly two years, Aaron instinctively lifted his hand and extended his fingers toward Dr. Serruya, completely unaided. Dr. Serruya looked at Holly, who was sitting nearby. “I was tearing up,” she said. “I haven’t seen those fingers extend like that in two years.”

Dr. Holly E. Serruya—expert on brain-computer interfaces—examined Aaron’s new ability to control his own engine-red motorized arm brace—first using his residual arm muscle to work the brace and then, finally, bypassing the muscle to control the brace with only his brain.

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Not quite believing what they saw, Dr. Serruya asked Aaron to do it again. And he did, just like that, as if his brain was finding a way around the abnormal muscle contraction to control his arm again without the brace.

“The day was a breakthrough,” says Dr. Serruya. “What we observed lasted a few moments, but what if it could be patterned into the brain and last longer? We have a lot more to explore. And we couldn’t have gotten here without Aaron’s altruism, his persistence and commitment to helping others.”

What if there was a way to pattern the brain and last longer? We have a lot more to explore. And we couldn’t have gotten here without Aaron’s altruism, his persistence and commitment to helping others...

We couldn’t have gotten here without Aaron’s altruism...
Anne Hand can’t help but laugh when she hears people refer to fashion designers as merely “seamstresses.” “All of our students are problem-solvers,” stresses the fashion design professor. “That’s what we do.”

With the emphasis the fashion design program places on problem-solving—a long with its dedication to “fashion for all”—it shouldn’t be a surprise that Hand jumped at the opportunity to help one person.

In January 2019, 39-year-old Aaron Ulland suffered a stroke and required two months of intensive rehab to swallow, speak and walk short distances with a cane. However, he lost his ability to work and much of his independence.

In January 2021, 39-year-old Aaron Ulland participated in the groundbreaking Cortimo trial at Jefferson. He became the first person with this common type of stroke to be implanted with brain electrodes—a brain-computer interface—that would send signals from his brain to a robotic arm brace designed to move his significantly weakened left arm.

The innovation gave Ulland increased mobility, but the arm brace doesn’t fit under a regular winter coat. Here’s when the Jefferson research team reached out to Hand for her expertise. She wanted to create a sleeve that provided a greater range of motion. Hand also knew that a traditional zipper might be difficult to use since Ulland didn’t have full strength on his left side. But at the same time, she felt the coat must look cohesive even if she had to “Frankenstein” it together.

That’s when she tapped her decades of problem-solving skills and savvy. “I sit down and make drawings and think about it in the middle of the night,” she laughs about the brainstorming process.

Armed with his measurements and after performing a fitting, Hand settled on a neoprene fabric for the new sleeve. Made of 90 percent polyester and 10 percent spandex for extra give, this material often is used for scuba gear. She also added some Velcro tabs so the sleeve could be adjusted. In place of a front zipper, Hand sewed on a series of magnetic snaps to keep the coat snug.

Hand says she enjoyed the whole creative process and helping Ulland to stay warm this winter. In fact, she could see participating in similar projects to aid people with different abilities.

“Instead of chopping coats apart, maybe we design a coat specifically for the purpose of wearing a device like this or people with other needs,” says Hand, adding that Jefferson fashion students have shown greater interest in the product development realm as of late. “We hope to address it more and more in our program.”

**Professor Fashions Unique Coat for Pioneering Jefferson Stroke Patient**

*BY MIKE BADERKA*
Take a free-spirited early childhood in Zimbabwe. Add formative years in the bucolic foothills of West Virginia’s Appalachian Mountains. Infuse it with a 20-something New York City—that-never-sleeps attitude. Throw in a dash of grown-up concern about the Earth and sustainability. “And you get Bohemian Appalachian cutting-edge designs by Farai Simoyi,” Simoyi laughs when she describes her avant-garde approach to fashion design, but when it comes to her craft, she is serious—and successful. She has created couture for Beyoncé, Justin Timberlake, Jay-Z, and Nicki Minaj, to name a few. She has established The Narativ House, a concept store in New York that carries ethically sourced artisan brands from across the globe and mentors young designers. And now she has taken on a new role—Program Director and Professor of Fashion Design at Thomas Jefferson University.

“Being a fashion designer will always be the core of what I do, but I feel that in this role at Jefferson I am making the most impact I can make in my life,” Simoyi says. “It’s really about supporting and encouraging and guiding the future designers of fashion.”

Simoyi says she was excited to take on this new challenge in her ever-evolving career—she just didn’t know how much of a challenge it would be. She joined Jefferson in September 2020—right in the middle of a pandemic.

“It’s probably one of the most challenging things I’ve ever had to do in my professional career,” she says. “How do we teach fashion design over Zoom? When you’re a fashion designer you want to use your hands—that’s how we create, that’s how we get inspiration. But the beauty of it is that it really shows how devoted our faculty is and also how committed our students are to learning. So we all bonded together, overcame the obstacles, and figured out how to do it.”

At first, there were pre-recorded lessons and live-streamed lessons. As the pandemic waned, the program moved into a hybrid format—part virtual, part in-person. Eventually, the classes transitioned back into full-time on-site. However, the option of taking classes virtually was still offered because the administration wanted everyone to operate at their own level of comfort.

“It’s all about flexibility right now and making sure that everyone is still learning, but still comfortable,” she says. Yet, she is eager to have everyone back together in person in the studios. After all, she came to Jefferson to collaborate, to guide, to shape the future of fashion and mold those who will be creating it.

Simoyi’s journey to Philadelphia took a long and unusual geographic path, beginning a continent away in Zimbabwe and making an extended stop in West Virginia.

“Everybody says, ‘how did this African girl end up in the middle of West Virginia?’” she says. As it turns out, she is following in her parents’ footsteps in academia—both were professors who moved to the U.S. South to teach at West Virginia University. Her father taught chemistry, and her mother taught health sciences.

Simoyi started at West Virginia University as a psychology major, but in her sophomore year switched to fashion design. While the two majors seem academic worlds away from each other, she explains that psychology and fashion go hand-in-hand.

“When you woke up in the morning and you decided to put on that shirt, what made you decide to put that on? Why do you love wearing that specific color? What drew you to that color?”
particular shirt? There’s always a psychology to design and the way that we dress,” she says.

After graduating in 2005, she took a leap of faith, packing up her belongings, scraping together enough money for one month’s rent, and moving to New York City to find her big break.

“I just started interning, working for free a lot just to get my foot in the door,” she says. Almost immediately she landed a job with one of the first mainstream sustainable brands, Threads 4 Thought. From there, she got the big break she was seeking—she was hired to design for Beyoncé’s fashion line, the House of Deréon.

That job launched her solo career, one which brought her to the inner circle of global celebrities, recording artists, and fashion industry leaders such as Anne Klein and Rachel Roy.

She found that creating style was about merging fashion, music, and culture, and putting inhibitions aside to think and design “outside the box.”

One of her fondest memories is working on Nicki Minaj’s wardrobe to coordinate with her “Anaconda” album. “There were snakeskin leggings, snakeskin tops, snakeskin hats, snakeskin shoes… we were literally swimming in snakeskin prints!”

And while Simoyi creates forward-thinking designs with an eye toward the unconventional, she has always drawn inspiration from her past.

“In Zimbabwe, my grandmother, my grandfather, and my mom and dad grew up in huts in the rural areas. They cooked over an open fire, they herded cattle before and after school. So I take those lifestyle inspirations into my work. When we lived in West Virginia, we were surrounded by the Appalachian Mountains. So being outdoors was inspiration to me. And then right before moving to Philadelphia, I lived in New York City—bright lights, things going a mile a minute—and I took that as inspiration, too.

“I’m really lucky that I get to use such stark contrasting backgrounds; I think that’s what makes the work that I do really unique,” she says.

Part of her interest in sustainability stems from her African roots.

“In my culture, we have zero waste—everything is used when making jewelry and clothing. We use the cow hide, we use the cow horns, we use the boning. I wanted to bring that and show the craftsmanship that’s been around for generations, especially in Africa,” she says. “When I first
That upbeat and confident attitude is what brought her to Philadelphia, where she resides with her husband, Ayo Agbede, and their 3-year-old son, Sunday, and to Jefferson. It was a natural progression from designer to fashion influencer to business owner to mentor, and now to professor. But it took the right fit for her to once again take that leap of faith.

“I learned very quickly that Jefferson is all about community and it’s all about collaboration,” she says. “After meeting with Michael Leonard, Dean of the School of Design and Engineering, members of the faculty, and some of the students, I said, ‘This is where I need to be.’ And I am so happy to be here.”

Encourage them to wholeheartedly believe in themselves.

“As a designer myself, I noticed the struggles that young, independent designers face when they’re trying to enter the industry. The Narativ House is a platform for them. It’s a place to encourage them to wholeheartedly believe in themselves,” she says. “I think I am where I am today because I truly believed in myself; I said, ‘This is what I want to do’ and I went out and did it.”

And Simoyi has done a lot, including appearing in Forbes, Vogue, Fast Company, Newsweek, and Essence magazines; participating in the first season of Netflix’s competition series “Next in Fashion;” and touring the world to speak on topics such as global fashion development, sustainability, and diversity and inclusion—just to name a few. One of the mottos she lives by is “the time is now.”

“I think sometimes people want to make a switch, start a new project, or go into a new career,” she says. “Why wait? Life is too short—the time is now!”
We are that next generation of creativity.

We are creating the future.

-Lauren Kloos
BS, Engineering
Kanbar College of Design, Engineering and Commerce

The full breadth of students’ talents and ingenuity took center stage at this year’s Celebration of Innovation. The May 5-6 virtual event highlighted seven diverse projects that featured interdisciplinary collaborations from across the University.

“I am absolutely blown away by our students and their innovation projects,” said Provost Mark Tykocinski, MD. “Jefferson is the makerspace for the future for higher education. We’re preparing students for tomorrow with the deep grounding in knowledge and skill, and the nimble-footed creativity they need to go out into a very different world—fully prepared for what will come next.”

“What I’ve learned through this process,” said architecture student Olivia Birritteri of her collaboration on the Solar Decathlon Design Challenge, “is this is what I’m meant to do. I’m on the right path.”

Student innovator Madalynne Aubry put it like this: “Jefferson changed my perception of life. It changed a lot of things. It taught me to speak up when things need to be changed. And if I need to ask questions, to ask questions.”

From creating a cookbook system that teaches people with intellectual disabilities to cook, to COVID-19 volunteering and training initiatives, students transformed their ideas into practice to make the world a better place.
Students collaborate with industry partner Carousel Connections to help young adults with disabilities live independent and healthy lives. The team is creating a cookbook system that teaches individuals how to cook, while imparting job skills that provide opportunities in the food and beverage industry.

**Students**

- Madalynne Aubry  
  BS, Visual Communication Design  
  MS, User Experience and Interactive Design  
  Kanbar College of Design, Engineering and Commerce

- Cynthia Jih  
  Occupational Therapy Doctoral Candidate  
  College of Rehabilitation Sciences

- Vanessa Fath  
  BS, Fashion Design  
  MS, International Fashion Design Management  
  Kanbar College of Design, Engineering and Commerce

- Olivia Manning  
  BS/MS, Textile Design  
  Kanbar College of Design, Engineering and Commerce

- Marcia Weiss, MFA  
  Kanbar College of Design, Engineering and Commerce

- James Walker  
  MS, Medical Laboratory Sciences and Biotechnology  
  College of Health Professions

- Geoffrey Toner, MS, MB (ASCP)  
  Jefferson Institute for Bioprocessing

- Sean Chadwick, MS  
  College of Health Professions

**Faculty Advisers**

- Elizabeth Shirrell, MFA  
  Kanbar College of Design, Engineering and Commerce

- Students team up to experience hands-on how vaccines are made at the Jefferson Institute for Bioprocessing and in Center City labs. The students are seeking ways to use creativity for advancements in optimizing processes, scaling up, and making gene therapy affordable, ingestible, and making gene therapy affordable, ingestible, and tolerable.

- Students  
  Myettia Peck  
  MS, Biopharmaceutical Process Engineering  
  Jefferson Institute for Bioprocessing

- Students  
  44th annual competition sponsored by industry partner Tenneco  
  Students from Kanbar’s industrial design, engineering, and business programs find solutions that use a Tenneco product in unique and unintended ways. Each team receives a braided substrate material, reimagines a use for it, and competes in real-world pitches to have the product produced.

**Students**

- Cevan Noell  
  BS, Architecture  
  College of Architecture and the Built Environment

- Clara Miller  
  BS, Industrial Design  
  Kanbar College of Design, Engineering and Commerce

- Ebson Shirazi  
  BS, Accounting  
  Kanbar College of Design, Engineering and Commerce

- Michael Leonard, MAEd, MSEd, IDSA  
  Kanbar College of Design, Engineering and Commerce

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- Students  
  Lauren Kloss  
  BS, Engineering  
  Kanbar College of Design, Engineering and Commerce

- Students  
  Lauren Kloss  
  BS, Engineering  
  Kanbar College of Design, Engineering and Commerce

- Students  
  Myettia Peck  
  MS, Biopharmaceutical Process Engineering  
  Jefferson Institute for Bioprocessing
Mary Lynne Bercik, BS ’90, PMP, PMI-RMP
Kanbar College of Design
Engineering and Commerce
Appointed, Executive Director of Global Operations Sourcing
Organon & Co., a wholly owned subsidiary of Merck & Co., Inc.

Bercik is an expert in new-product launch, supply chain management, and overall innovation. She has more than 30 years of global experience in sourcing and procurement across multiple industries and commodities, and more than 20 years of experience in biopharmaceutical manufacturing. Bercik serves on the Jefferson Institute for Bioprocessing Industry Advisory Board as Idea Founder and on the Kanbar College Advancement Council.

Tracy-Gene G. Durkin, Esq., BS ’83
Kanbar College of Design, Engineering and Commerce
Director, Sterne, Kessler, Goldstein & Fox

Durkin is the practice leader of the Mechanical & Design Practice Group and a member of the Trademark & Brand Protection Practice at Sterne Kessler, an intellectual property specialty law firm. She was the first woman elected equity director to the firm and the first woman to serve on its executive committee. Financial Times named her one of the Top Ten Legal Innovators in North America, noting she is “a leading authority on design patents.”

Francisco J. Morales, BS ’98
Kanbar College of Design, Engineering and Commerce
Chief Executive Officer and Cofounder, 5.11 Tactical

Morales is the CEO and cofounder of 5.11 Tactical, the leading global supplier of purpose-built apparel, footwear, and gear for first responders and military personnel. Many of the patents held by 5.11 have been awarded to Morales. At age 30, he became a member of YPO, the global leadership community of extraordinary chief executives, and he is a member of Beta Gamma Sigma, the International Business Honor Society.

The Rieders Family

Fredric Rieders, PhD ’52
(awarded posthumously)
Jefferson College of Life Sciences
Fredric Rieders was a path-blazing and world-renowned forensic toxicologist. He served as Philadelphia’s chief toxicologist and was professor of pharmacology and toxicology at Thomas Jefferson University.

Eric Rieders, PhD
President & Chief Operating Officer, NMS Labs
Chairman, Fredric Rieders Family Foundation

Eric Rieders has a doctorate in mathematics and serves as an adjunct professor of forensic science at Arcadia University and is a member of Jefferson’s Sidney Kimmel Cancer Center Advisory Council.

M. Fredric Rieders, PhD ’85
Jefferson College of Life Sciences
Treasurer and Director, NMS Labs
Board Member, Fredric Rieders Family Foundation

M. Fredric Rieders is a member of the American Public Health Association, the Society of Forensic Toxicologists, and the International Association of Forensic Toxicologists. He is a fellow of the American Academy of Forensic Sciences and serves on the board of the National Association of Medical Examiners.

Mauro Porcini
Senior Vice President and Chief Design Officer, PepsiCo

Porcini is infusing design thinking into PepsiCo’s culture and leading a new approach to innovation by design. He is host of the video podcast “In Your Shoes with Mauro Porcini” and a presenter and judge on “New York by Design” and “America by Design,” which air on CBS and Amazon Prime Video. Porcini has been singled out with numerous honors, which include top spots on lists of the world’s most-influential, most influential, most creative, best dressed, and hottest rising stars.
Tracy Durkin is the leader of the Mechanical & Design Patent Practice Group at Sterne, Kessler, Goldstein & Fox, an intellectual property law firm in Washington, DC. Durkin has a well-earned reputation for excellence in design patent law built over the past 30 years. As a result, leading consumer product companies around the world seek out her expertise to protect their most iconic and innovative product designs from would-be copiers. Durkin has received numerous distinctions from leading publications and her peers. In 2018, Financial Times named her one of the “Top Ten Legal Innovators in North America.” World Trademark Review has heralded her for being “as innovative as the products that she protects.” She received her BS, cum laude, in Textile Manufacturing and Marketing from Philadelphia College of Textiles and Science (now Jefferson) and her JD from The George Washington University Law School. She is also a member of the Advancement Council of the Kanbar College of Design, Engineering and Commerce.

TD: As a senior in high school, I thought I wanted to go into Fashion Merchandising. Textile had one of the few four-year programs in that field, so I applied and was thrilled to be accepted. In my first week at the school, my adviser suggested I switch to Textile Manufacturing and Marketing, and split my time between the School of Textiles and the Business School. I didn’t grow up wanting to be a lawyer; the idea developed in my senior year at Textile. I was working in the alumni office doing fundraising, and happened to call an alum who worked at the U.S. Patent and Trademark Office. He said he would not give a donation, but he did have a tip on a job at the Patent Office (which I got), and he mentioned that one of the perks was that they paid for law school.

At the time, I was taking a business law class, so I asked my professor what he knew about patent law. He told me it was a great career because it married the law and science. I can definitely thank Textile for setting me on my career path into law!

I am also grateful to Textile for having a significant impact on my personal life. I met my husband, Kevin, there in the gym at a basketball game.

TD: I’ve worked on a lot of interesting technologies, including inventions that have gone into space with NASA astronauts. But the one I’m most proud to have been involved with is the iPhone. When Apple was ready to launch the iPhone in 2007, they set out to find a patent attorney who could create a global protection strategy for the design. I was fortunate to have been selected, and can say, “I patented the iPhone!” It is one of the most important innovations since the computer; it has such a big impact on our lives.

TD: Take risks. Be open to the possibilities. And most importantly, take advantage of opportunities. Life is a circuitous path; it is not always a straight line from where you are now to where you ultimately want to be. What you think you want to do today may not be a good fit for you tomorrow.

TD: “Whether you believe you can do a thing or not, you’re right.” (Henry Ford)

It underscores the fact that attitude really determines your success in life—or your failure. It is probably more important...
The power of positive thinking means a lot to me and has always inspired how I live my life.

TD: In 2019, I traveled with World Bicycle Relief on behalf of my law firm to Lusaka, Zambia, to donate 150 specially designed bicycles. I saw firsthand how something as simple as a bicycle can have a great impact on healthcare, education, economic development, and gender equality in disadvantaged countries. The bicycles enable health workers to visit patients’ homes; allow students to travel to and from school more easily and safely; provide greater capacity to farmers and entrepreneurs to transport goods; and ease safety concerns for girls doing household chores and attending school.

For me, giving back is not only about making a financial contribution; it is also about experiencing the mission on a personal level. In Zambia, we rode the bikes for three days with the recipients—students, farmers, and healthcare workers. We experienced their lives. It was the most humbling experience I’ve ever had. I’m still involved with the organization and hope to one day go back and relive that incredible experience with others.

As part of our commitment to lifelong learning, the Office of Alumni Relations offers opportunities for group travel for Jefferson, Textile, and Philadelphia University alumni, friends and families. Our varied itinerary of travel destinations combines educational forums, unique adventures, and excursions to places of historical and cultural interest, with opportunities to discover nature’s majestic landscapes and incredible wildlife. These trips offer the highest-quality travel experience through our partnerships with experienced travel providers.

- Wonders of Peru
  October 14-25, 2021

- Galapagos Islands—Western Itinerary
  October 26-November 2, 2021

- Florence in the Serene Season
  November 15-23, 2021

- Antarctica Discovery
  January 13-24, 2022

- Apulia—Undiscovered Italy
  March 30-April 7, 2022

- Dutch Waterways
  April 11-19, 2022

- Southwest National Parks
  May 11-19, 2022

- Romance of the Douro River
  May 20-31, 2022

- Alsace, Fairytale France
  June 12-20, 2022

- Discover Southeast Alaska
  July 29-August 5, 2022

- Kenya Safari
  August 5-15, 2022

- Canadian Rockies by Rail
  August 10-16, 2022

- Greece—Athens and Kalamata
  September 2-11, 2022

- Flavors of Northern Italy
  September 10-18, 2022

- Wonders of Peru
  October 6-17, 2022

- Florence in the Serene Season
  October 14-22, 2022

- Galapagos Islands—Western Itinerary
  October 25-November 1, 2022

For detailed trip information and to join our Travel Interest List, visit Jefferson.edu/AlumniTravel or contact Alumni Relations at 215-955-7750 or alumni@jefferson.edu.
New Curriculum Nurtures Students’ Creative Side

Jefferson prepares students to navigate a rapidly evolving work environment.

By Mike Bederka
intensive course coordinator. “Some classes can do this easily with small changes to existing objectives, while others may need to add new objectives.”

The curriculum’s third piece is a change to the Hallmarks Capstone, a required course for all undergrads during their final year. The proposed revision would recenter the course on the book Designing Your Life and feature exercises that use design thinking, reflective writing, and prototyping strategies to help students plan for life after graduation, Kradel-Weitzel says.

By developing this curriculum, the University is demonstrating the importance that creativity, and thereby innovation, will have in all students’ lives, says Dr. Michael Brody, Jefferson’s senior adviser for creativity and art. “Creativity relates to everything you might do,” he says. “Moving forward, creativity will be the absolute most important skill you can have in your toolbox for any job.”

People often equate creativity with exclusively “making something artistic,” says Prof. Monique Chabot. “But creativity also helps to rewire ‘making something artistic,’ creativity with exclusively ‘making something useful’ and ‘making something artistic’ could be two very different things.”

The creativity curriculum is in large part due to the dedication and diversity of perspectives of the Creativity Core Curriculum Committee members and the willingness of the greater university community to embark upon a new endeavor during an already-challenging time, Kradel-Weitzel says. “It has been inspiring to see how the curriculum has impacted students’ perceptions about themselves and their abilities. I’m hopeful that this curriculum can help our students to differentiate themselves and reach a higher potential.”

Can We Teach Creativity?

Creativity is an increasingly important skill for navigating the 21st century. But how do human beings acquire that skill? Can it be taught? Richard W. Hass, PhD, assistant professor of psychology, believes it can. “I want to understand the processes through which we solve problems creatively,” he says, “and then use those processes as the basis for curricula that prepare students to hone creativity as a tool for managing life in a swiftly changing economy, society, and environment.”

Toward that ambitious goal, Dr. Hass is pursuing a broad range of interdisciplinary studies on the cognitive and social processes underlying creative thinking, conceptual combination, and motivation. His collaborators include experts in philosophy, neuroscientists, anthropologists, statisticians, and experts in educational assessment—from institutions around the globe, including University of Alberta, Canada, and the Free University of Berlin, Germany. Their projects include:

- studies on how memory search processes enable people to generate novel ideas;
- an investigation of the interplay of cognitive and motivational variables in predicting real-world creative achievement;
- the identification of common facets of human idea-generation and problem-solving processes—and comparison of those facets with artificial intelligence strategies;
- development of creativity measurement tools and assessments of how feedback affects the problem-solving process.

As the research produces concrete findings, Dr. Hass is applying them to curriculum development and to assessments of the classroom experience. With Jefferson colleagues, he is studying the correlation between teachers’ beliefs about creativity generally and about teaching for creativity. The team is also working with the Jefferson Center for Interprofessional Practice and Education to perform statistical analysis on—and create outcomes-based assessments of—team-focused education.

“The curriculum we are developing will, we believe, help our graduates to creatively—and successfully—address challenges and tasks for which there is no single ‘right’ answer,” Dr. Hass explains, “and to use what they know to confront situations involving outcomes that may be inherently unknowable.”
Alumnus Eli Tuttle ’06, took an untraditional route from architecture student to game designer. A relative rarity compared to his colleagues in the game industry, Tuttle uses the skills he learned while studying architecture to create immersive virtual landscapes featured in some of the biggest video games on the market today.

“Architecture gave me a great base for design, critical thinking, understanding how people use space, and putting myself in other people’s shoes,” Tuttle shares. “This has helped me so much in my game development career.”

After graduating in 2006, Tuttle joined a small biotech startup that utilized 3D space and game engines to create new tools for researchers to organize and study data. Eventually, funds for the project ran out and Tuttle returned to more traditional architecture. After being laid off in the wake of the 2008 recession, he made the decision to attend the Academy of Art University in San Francisco for game design. After working a variety of odd jobs in the industry, Tuttle eventually landed a gig with Sledgehammer Games—the studio responsible for the blockbuster Call of Duty series. He got his foot in the door working as an associate, but over the past five years has climbed the corporate ladder to senior environment artist.

While Tuttle’s main responsibilities focus on the modeling and texturing aspects of the game map, his priorities vary depending on where they are in the development process.

“Early in the map work, it’s more about general themes and callouts, outsourcing specific assets and figuring out what textures and models we need for the theme,” Tuttle says. “At the end of a map, the work centers on fine-tuning anything visually confusing and polishing.”

Currently, Tuttle works primarily as a pod lead. He makes sure the other artists on a map have enough direction, communicates with other departments, disseminates feedback from the art director, and verifies that outsourced assets are on track; essentially, Tuttle acts as the point of contact for all fires that must be addressed.

Alongside actually creating the space, Tuttle enjoys the narrative process of crafting a history for his maps. Is the space 100 years old or 10,000 years old? What cultures influenced the design? What happened in this place before the player arrived? These are all questions Tuttle gets to address during the design process.

Tuttle reflects fondly on his time at Jefferson, “I loved my time in the studio. The comradery, friendships, learning, antics, and growth there were fantastic. I didn’t realize how special it was until I didn’t have it during grad school.”

Tuttle encourages current students to take advantage of all the university has to offer and to view every experience—both good and bad—as opportunities to grow and better themselves as designers.

“Your roughest critiques can be more educational and beneficial than your ‘good ones,’” Tuttle says. “Embrace critiques and always look for areas to improve. They make you a better designer and more prepared for the workforce.”
On a crisp fall day in September 2019, Allen Sirkin visited the Fashion and Textiles Futures Center in Hayward Hall to have lunch with the recipients of the Allen Sirkin ’64, H’10 Scholarship, a fund that supports students pursuing degrees in fashion and textiles. Sirkin established the scholarship in 1992 when his children began enrolling in college and he witnessed firsthand the growing costs of higher education.

At the lunch, Sirkin asked the students—all juniors and seniors—questions about their education, internship experiences, and career plans. In turn, the students asked for advice about interviewing, job selection, and internship choices.

Sirkin’s a good one to ask. He knows the fashion industry and is no stranger to hard work. After studying textiles and marketing at Philadelphia College of Textiles and Science (PCT&S), now Thomas Jefferson University, Sirkin got into the fashion business as a merchandiser at PVH. He worked his way up, embracing opportunity at every turn, and came to hold executive positions at Manhattan Industries, McGregor, and Pony Apparel, among others.

Sirkin returned to PVH, where he stayed for 30 years, retiring as president and chief operating officer in 2012. In addition to meeting the scholarship recipients, Sirkin was celebrating another step in his journey: the unveiling of the Allen Sirkin Sewing Lab, named in recognition of his lifelong support as a trustee and philanthropist.

The Sirkin family’s roots run deep at Jefferson. Bonnie, Allen’s wife, graduated from Jefferson Medical College—now Sidney Kimmel Medical College—as a cytotechnologist; his son, David, followed in his footsteps and graduated from PCT&S in 1996; and his grandson, Noah, is currently a premed student in the College of Life Sciences, class of 23. Further out on the family tree, yet more Sirkin family members hold diplomas bearing some version of the Jefferson name.


Inspired, Sirkin decided to match Magid’s gift. Together they created a scholarship to support students pursuing careers in medicine. They’ve named it the Sirkin/Magid Spirit of Friendship Scholarship. “It’s really been done in the spirit of friendship, and that’s where the name came from,” Sirkin says. “It feels right. It sounds right. And I know it’s the right thing for both of us to do.”

Back at the Hayward Hall lunch, Sirkin encouraged the soon-to-graduate fashion and textile students to be bold and inquisitive. He challenged them to see change as a means for growth. In the fashion business, he told the students, it’s “grow or die.” Sirkin views the merger between Thomas Jefferson University and his alma mater through a similar lens. “PTI, PCT&S, PhilaU, Jefferson—it’s a change dynamic,” Sirkin says, encouraging alumni to embrace the potential of Jefferson as a singular, innovative institution. “Change is good,” he says. “There’s no reason for us not to stay on board and embrace the newness as well as the history of what the school represents.”

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**The Spirit of Friendship**

On a crisp fall day in September 2019, Allen Sirkin visited the Fashion and Textiles Futures Center in Hayward Hall to have lunch with the recipients of the Allen Sirkin ’64, H’10 Scholarship, a fund that supports students pursuing degrees in fashion and textiles. Sirkin established the scholarship in 1992 when his children began enrolling in college and he witnessed firsthand the growing costs of higher education.

At the lunch, Sirkin asked the students—all juniors and seniors—questions about their education, internship experiences, and career plans. In turn, the students asked for advice about interviewing, job selection, and internship choices.

Sirkin’s a good one to ask. He knows the fashion industry and is no stranger to hard work. After studying textiles and marketing at Philadelphia College of Textiles and Science (PCT&S), now Thomas Jefferson University, Sirkin got into the fashion business as a merchandiser at PVH. He worked his way up, embracing opportunity at every turn, and came to hold executive positions at Manhattan Industries, McGregor, and Pony Apparel, among others.

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**Left to right: Larry Magid and Allen Sirkin.**

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**Left to right: Michael J. Leonard, Dean of the School of Design and Engineering, David Sirkin ’94, Allen Sirkin, and Larry Magid.**
Innovation and creativity have always been in Jefferson and Textile’s DNA (creativity is literally in our curriculum, see page 52). So, it makes sense that we would need a novel Board of Trustee governance structure that’s ready to meet the unique and evolving oversight demands of our thriving university and health system.

We open this new academic and fiscal year led by the most diverse board in our history, with minorities and women accounting for 43 percent of our trustees. It starts at the top, with our newly elected board chair, Patricia (Trish) Wellenbach. Trish was the granddaughter of Irish immigrants. Her father was the first in his family to go to college, and her mother was never able to attend college. Trish began her career as a registered nurse and has risen today to become the president and CEO of the Please Touch Museum in Philadelphia. She is the first woman to lead the Jefferson board (at Philadelphia University, Elizabeth Gemmill and Eileen Voynick served as board chair).

I caught up with Trish as she takes the helm of the board to ask about her vision for Jefferson, what it takes to be a trustee, and what would be on her “stranded island” playlist.

ED: What qualities do you think are most important in a trustee?
PW: Integrity, authenticity, respect, and an appreciation for the importance of rigor and data to inform decisions are critical. And the capacity to bring humanity into how we implement decisions are all qualities that I believe make for outstanding trustees and leaders.

ED: What’s your vision for Jefferson?
PW: My vision is that Jefferson continues its legacy of excellence in educating future leaders and in providing the highest level of quality and safety in patient care. Jefferson’s commitment to healthcare access for underserved and marginalized individuals and communities continues to be a focus of the board and management and is something I care about very much. I believe there is more we can and will do to bridge the deep divide in healthcare and higher education that continues to exist for so many people.

ED: How will you measure success as the new leader of the board of trustees?
PW: I am focused on ensuring we continue our work of inclusion and equity. I am looking forward to working in partnership with our trustees and management as we steward Jefferson toward its 200th anniversary in 2024.

ED: Stranded on an island, if you are stuck with one song on your playlist, which would it be?
PW: Ah, this is a tough question because as my life has evolved and circumstances have changed I know the answer would be different. At this moment in time, it would have to be “I’m Every Woman” by Chaka Khan. Of course, the Whitney Houston version may be one of the best recordings of the song. I know as chair, I now have a higher calling to be “every woman.” Who knows, the job I do might just convince some people that every woman is more than capable to do any job.

ED: What advice do you have for an alumna or young woman entering the workforce today?
PW: Never underestimate what you can do, and never underestimate your worth. Don’t be afraid to get out of your comfort zone. I can guarantee that if you do, you will find an untapped inner capacity to do what might have seemed unimaginable.
Baseball Has Best Season in 30 Years

It was an impressive 2021 campaign for the Thomas Jefferson University baseball team as the Rams posted their best season in 30 years. Jefferson finished with a 23-11 record for a .676 winning percentage, its highest mark since 1990, when the Rams went 34-15-1 (.690) and advanced to the Division II College World Series.

A regular fixture in the East Region rankings during the year, Jefferson reached and hosted the CACC Championship Game but fell to Dominican in a thrilling, 6-5 contest. The Rams narrowly missed out on an NCAA Tournament bid.

History was made as Jack Galligan became the first Ram to win CACC Pitcher of the Year honors and was one of five Rams to be named All-CACC, three of them on the first team. Galligan was also a unanimous first-team All-Region selection. Richard Joa, Matt Bukavich, and Ryan Sawyer also received All-Region accolades. Joa became the first player to hit for the cycle in a game since 2006.

Meet the Coach: Dave Thomas

Q: What’s something you’re proud of that you’ve accomplished at Jefferson?
A: In my 15 seasons at Jefferson, I’m proud of rebuilding the cross country program and winning a total of 14 conference team titles (combined men and women). I’m also proud of our high graduation rate and our more than 12 Academic All-America teams (teams with a combined GPA of 3.0 or higher also qualified for the NCAA region championship).

Q: What are your top three favorite albums?
A: Elvis Presley #1s. The Beach Boys Greatest Hits. The Rolling Stones Greatest Hits, Vol. #1.

Q: What’s the first concert you attended?

Q: Where’s your happy place?
A: A quiet, early morning run on the beach in Ocean City, New Jersey.

Q: What’s your favorite quote?
A: “Far better is it to dare mighty things, to win glorious triumphs, even though checkered by failure... than to rank with those poor spirits who neither enjoy nor suffer much, because they live in a grey twilight that knows not victory nor defeat.” –President Theodore Roosevelt

To view the full list of awards go to jeffersonrams.com/news or scan the QR code with your smartphone camera.

Record 86 Student-Athletes Earn CACC All-Academic Team Honors

A University record 86 student-athletes made the CACC All-Academic Team for the 2020-2021 school year.

Women’s lacrosse led all Jefferson teams with 13 players, including four-time honoree Erin Eckert. Women’s soccer, baseball, and softball followed, with 12 players on each squad receiving All-Academic Team honors.

“I’m simply in awe of our student-athletes,” says Tom Shirley, Jefferson’s assistant vice president for athletics. “Without question, this was the most challenging year in terms of performing academically and athletically. Thank you for representing your family, the University and your respective teams in such an outstanding way.”

Seventy-five student-athletes earned the CACC distinction during the 2019–2020 school year, the previous University record.
From Jefferson to the White House

Visual communication design alumna Abbey Pitzer joins Biden’s Office of Digital Strategy team.

BY MIKE BEDERKA

Abbey Pitzer ‘19 has always considered herself a creative individual but wasn’t sure how to translate this passion into a profession. In spring 2015, she attended Jefferson’s Graphic Design Discovery Day, an annual event of tours and Q&As for accepted and prospective students of the program and decided that she wanted to pursue a career in graphic design. Pitzer has come a long way from designing posters and t-shirts for her high school class. The Jefferson alumna has taken her design skills to the national stage after joining Joe Biden’s successful presidential campaign.

Pitzer joined the campaign in September 2019, just as the Democratic primary was getting into full swing, where she began working on building the Biden brand from the ground up—a process that both excited and intimidated her. When the pandemic began to peak in early 2020, Pitzer rolled with the punches and didn’t let the shift to full remote work slow her down.

Pitzer helped design a multitude of illustrated people for different types of campaign assets, such as event graphics, tickets, and the JoeBiden.com homepage. These illustrated figures represented people of various races and disabilities to convey the message of positivity and inclusivity that the Biden-Harris campaign encouraged. During this period, she was promoted to brand ambassador.

Pitzer recalls Election Day, sitting around the television with her family watching the numbers climb for both parties, and breathing a sigh of relief as Biden finally ticked past 270 electoral votes.

“All the late nights, all the stress to hit tight deadlines, all the pressure to execute well, it was all worth it—we had won.”

Following the election, Rob Flaherty, the Digital Director of Strategy at the White House, invited Pitzer to stay on the campaign through the inauguration to help with graphics for the campaign’s email team and social channels.

In late December, she received the offer for a full-time position as a designer in the Office of Digital Strategy at the White House. Pitzer continues to work on digital and printed assets to represent the Biden-Harris brand in innovative and new ways.

Beyond the Biden administration, Pitzer hopes to continue designing with a sense of purpose with the goal to “do good” with her illustrations. In the future, she hopes to open her own design studio or illustrate a children’s book.

Pitzer attributes much of her success to the experiences, education, and opportunities she received as a student at Jefferson.

“The University’s visual communication design program teaches you all of that from the ground up. But more importantly, it instills a solid foundation of design thinking that’s necessary for problem-solving in the real world. They focus on teaching design thinking and thinking about a system as a whole—it’s a cognitive and strategic approach that goes beyond making something look nice.”

...it’s a cognitive and strategic approach that goes beyond making something look nice.
Dr. Sloss is still enjoying good health at age 93 with his wife, Nan, in their retirement home, Freedom Village at Bradenton.

John graduated from Philadelphia Textiles Institute in 1953 with a degree in Chemistry and Dyeing. Alongside 19 classmates, John was among the first class to have the honor of completing four years at the new site after moving from Broad and Pine Streets after nearly 70 years. His PTI education provided the tools he needed for a variety of successful textile careers, and some members of the original class remain in contact with each other. John’s PTI coffee mug, Phi Psi paddle, and 50th anniversary medal bring him many fond memories. He wishes all students to succeed in their careers.

Dr. Marchesani just turned 91. He has six children and 10 grandchildren, and became a great-grandfather after the birth of his first great-granddaughter. John was diagnosed with ALS in March 2020 but is still happily married to his wife, Marie.

Dr. Thomas is raising five children and two grandchildren with his wife, Debbie, in their retirement home, Freedom Village at Bradenton.

Dr. Winslow is a Professor of Medicine at Stanford University School of Medicine, and Diagnostics Working Group based in Washington DC. He is also back on active duty orders with the California State Guard.
1985
Marilyn J. Heine, MD, FACEP, FACP, FCPP
Medicine

Dr. Heine was elected chair of the American Medical Association (AMA) Council on Legislation (COL) during its June meeting. She also represents the AMA on the Board of the Council for Affordable Quality Healthcare Committee on Operating Rules for Information Exchange, is chair of a congressional physicians advisory board, secretary of the Forum for Medical Affairs Executive Committee, and a member of the governing council for the AMA Private Practice Physicians Congress. She serves as national faculty on health policy, advocacy, and hemotologic emergencies. She is also clinical assistant professor in the Department of Medicine at Drexel University College of Medicine in Philadelphia, and an emergency medicine and hematology oncology physician in southeast Pennsylvania.

David S. Seres, MD
Medicine

Dr. Seres was recently promoted to Professor of Medicine in the Institute of Human Nutrition at Columbia University Irving Medical Center in New York. There, he directs the medical nutrition consult service and one of the few fellowships in clinical nutrition for physicians in the country. He just completed terms on the board of directors and as Chair of the Medical Practice Section at the American Society for Nutrition. He is a contributing writer at political newsletter The Hill and has consulted to states attorneys general and the FTC on fraudulent dietary supplement advertising.

1987
Stephen Jones
Business Administration

Dr. Stephen Jones is an accomplished educator, author, and publisher of five books. He is devoted to inspiring people to live their best lives personally, intellectually, emotionally, and socially. In his new book, Dr. Jones is devoted to helping couples make their marriage an exciting and long-lasting relationship built on trust in God and a determination that nothing can separate them from their spouse. To get a copy of the new book, visit DrJonesBooks.com/marriage.

1999
William L. Carroll, MD
Medicine

Dr. Carroll is still practicing Family Medicine with classmate Maddie Wood, MD, 89. In the wake of COVID-19, Dr. Carroll still has no plans to retire. His partners at Gateway Medical have dealt with well over 350 cases.

Charles D. Tullius, MD
Medicine

Dr. Tullius writes, “I’m practicing anesthesiology in Somerset, Pennsylvania, but getting to spend a lot of time at our home near Hilton Head Island. I’d love to hear from my JMC friends.”

1998
John F. Wright
Architecture

John has been with Spiegle Architectural Group for over 16 years and has diverse expertise in the design and construction of higher education, academic, and commercial buildings. He has received numerous accolades and awards, and most importantly earned the trust and admiration of his colleagues and clients. As an advocate for green building, John’s projects include sustainable design and campus planning. He has contributed to nearly a dozen LEED-certified projects and recently presented on Energy Master Planning at the 2020 SCUP Mid-Atlantic Regional Conference. John is a member of the American Institute of Architects and the National Council of Architectural Registration Boards and is a U.S. Green Building Council LEED® Accredited Professional.

Jeremy Avellin
Architecture

Jeremy started his architecture firm, Bright Common, 10 years ago, but in recent years has started focusing on using existing spaces and sustainability; his practices also focus on creating interior living spaces with balcony views. In addition, he is an advocate for green building practices and uses sustainable materials in all of his projects. He is dedicated to inspiring people to live their best lives professionally, intellectually, emotionally, and socially. In his new book, Dr. Jones is devoted to helping couples make their marriage an exciting and long-lasting relationship built on trust in God and a determination that nothing can separate them from their spouse. To get a copy of the new book, visit DrJonesBooks.com/marriage.

Jeremy Avellin is a member of the American Institute of Architects and the National Council of Architectural Registration Boards, which oversees the certification of architects and architectural technologists. He is President and CEO of the American Association of Architectural Consultants (AAAC), which represents nearly 10,000 architects and architectural technologists in the United States. He is also a member of the American Society of Interior Designers (ASID) and the American Society of Landscape Architects (ASLA). In addition, he is a registered architect in the states of Oregon and California. Jeremy is a member of the American Institute of Architects (AIA) and the National Council of Architectural Registration Boards (NCARB). He has served as President of the Oregon Chapter of the AIA and as a member of the Board of Directors of the NCARB. He is a member of the Oregon State Board of Architectural Examiners (OSBAE), which is charged with the regulation of the practice of architecture in Oregon. Jeremy is also a member of the Board of Directors of the Oregon State Bar (OSB), which regulates the practice of law in Oregon. Jeremy is a member of the Board of Directors of the Oregon State Bar (OSB), which regulates the practice of law in Oregon.

Shawana Moore, PhD
Nursing FACT

Dr. Moore, assistant professor and director of the Women’s Health-Related Nurse Practitioner Program, was recently appointed Chair-Elect on the Board of Directors of the National Association of Nurse Practitioners in Women’s Health (NPNWH). The COVID-19 pandemic has strained our healthcare system, and providers have carried much of the burden. NPNWH has supported providers with continuing education and guidance in new and innovative ways. As a leader of NPNWH, Chair-Elect Dr. Moore will...
help guide this organization and support providers that specialize in women’s health in the next several years.

2013
ADRIENNE LARSEN
Textile Engineering

As a nine-year-old growing up in the Brainerd Lakes area, Adrienne learned to knit from her beloved Grandma Audrey as a way to fidget productively. Years later, after stints sewing costumes in a barn in upstate New York and earning an advanced degree in textile engineering from Philadelphia University, Larsen is publishing her third knitting book, *Twists & Twines*, available for purchase through Amazon and Ravelry now. Crowd-funded by Kickstarter, the book instructs intermediate to advanced knitters on how to create 16 cable knit designs, including sweaters and hats.

2016
TAKAHIRO SATO, PhD ’13, AND CRYSTAL KRAFT, PhD ’16
Molecular Pharmacology & Structural Biology and Cell & Developmental Biology

Drs. Sato and Kraft welcomed daughter Reina Kraft Sato on March 16, 2021.

2019
TOPHER ANDERSON ’18 AND GAIGE DEHAVEN ’19
Textile Engineer & Science and Industrial Design

In the matter of a days, Topher and Gaige turned the research-and-development arm of ZSK Stickmaschinen into a personal protective equipment-making factory. As the pandemic swelled, they realized they could use their experience and knowledge to retool the company’s equipment to produce much-needed masks and filters for respirators. They demonstrated the process on LinkedIn and YouTube and solicited feedback on ways to improve and fine-tune their concept. “We’ve had a lot of success after Mario Lopez from *Saved by the Bell* started wearing them with his kids,” writes Topher. “As such, we have spun this business off into its own company called Bend Shape Masks. We are currently going through the N95 review process; with some time, hopefully we can put that critical N95 stamp on our masks to further show their textile quality. It’s been a joy to get to work on these.”

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The Reimagine Scholarships initiative allows talented and creative students from all backgrounds to attend Thomas Jefferson University. Scholarships enable these bright scholars to start their careers with less debt so they can focus on becoming the global leaders in business, industry, and medicine who will create a brighter tomorrow.

To learn more, please contact:
Lisa W. Repko, JD, Vice President
Thomas Jefferson University
and Planned Giving
lisa.repko@jefferson.edu | 215-955-0437

reimagine.jefferson.edu // #imoforjefferson
Harold Leonard "Duke" Pototsky was a successful businessman, an avid traveler, and a devoted father, husband, and friend. Harold graduated summa cum laude from Philadelphia Textile Institute (now Thomas Jefferson University) in 1958, where he earned his Bachelor of Science degree in Textile Engineering. Harold played varsity basketball and soccer for all four years at Textile.

In 1982, Harold returned to Textile and became active in the Alumni Association. In 1990, as President of the Alumni Association, he formed the prestigious Four Alumni Awards and the Hall of Fame Committee. Harold served as a Trustee at Textile from 1992 to 1994. From 2000–2001, Harold served as an adjunct professor at Philadelphia University, where he taught Clothing and Textile Design. In 2011, he received the Graham J. Littlewood, III ’42 Time, Talent & Treasure Citation for Faculty Mentoring.

He took on multiple leadership roles, including Chief of the Division of General Surgery. Dr. Rosato was responsible for training surgical residents and medical students, and received many teaching and mentoring awards, including the Department of Surgery Faculty Teaching Award and the Jefferson Medical College Dean’s Citation for Faculty Mentoring.

A devoted father and husband who loved spending time with family, Dr. Rosato was known among colleagues for his calm demeanor, modesty, kindness, and sense of humor.
JEFFERSON INNOVATOR Magazine
TRIVIA

Give our open-book quiz a shot!
HINT: All of the answers are in this issue!

1. What was the final score of the 1970 NCAA Championship basketball game?
   A. 63–61
   B. 71–70
   C. 76–65
   D. 80–75

2. On which streaming service can you stream “Next in Fashion”, featuring Program Director and Professor of Fashion Design Farai Simoyi?
   A. Amazon Prime
   B. Apple TV+
   C. Hulu
   D. Netflix

3. Who was named Innovator of the Year at the 2021 Celebration of Innovation?
   A. Alexandra Grant
   B. Abbey Pitzer
   C. Mauro Porcini
   D. Aaron Ulland

Submit your answers at Jefferson.edu/InnovatorTrivia or scan the QR code with your smartphone camera by September 30, 2021. A perfect score will enter you in a drawing to win a Jefferson T-shirt.
The brand-new Jefferson Alumni Network is an exclusive, virtual community where you can connect and reconnect with Jefferson alumni!

Search by name, class year, major, college, specialty, or geographic region, and begin connecting today.

Make the connection now at aluminnetwork.jefferson.edu or scan the QR code with your smartphone!