

YESHIVA UNIVERSITY

# KATZ SCHOOL OF SCIENCE AND HEALTH NEW YORK CITY

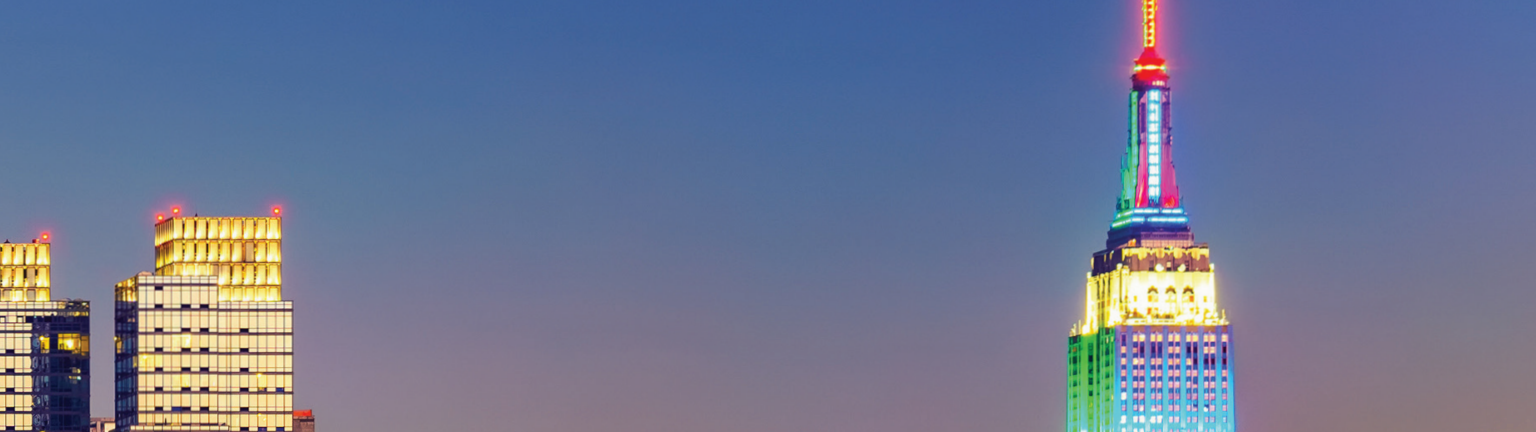
MAKING THE WORLD SMARTER,  
SAFER AND HEALTHIER



## Katz

Katz School  
of Science and Health





**#63** in the United States by *QS Rankings*

**#3** in New York City by *QS Rankings*

**#46** Best Value in the United States by *U.S. News & World Report*

**#1** Best Value in New York City by *U.S. News & World Report*

**95%** employment rate

**11** graduate programs in **STEM and Health Sciences**



# THE KATZ SCHOOL OF SCIENCE AND HEALTH

The Katz School is Yeshiva University's flagship school for STEM.

We focus on industry sectors that are central to the modern economy:

Artificial Intelligence, Biotechnology, Cybersecurity, Data Analytics,

Digital Media, and Fintech as well as Occupational Therapy,

Physician Assistant Studies and Speech-Language Pathology.

Founded in 1886, Yeshiva University (YU) is a premier research

university in New York City. YU serves over 5,500 students across

three undergraduate schools and seven graduate schools, including

the Katz School of Science and Health, Cardozo School of Law,

the Wurzweiler School of Social Work, the Ferkauf Graduate School

of Psychology, and renowned affiliates such as the Albert Einstein

College of Medicine.



Just two blocks from the Empire State Building, the Katz School is located in the heart of Manhattan. Study and practice next to the best and biggest companies in one of the largest and most dynamic job markets in the world.

# NEW YORK CITY IS OUR CAMPUS



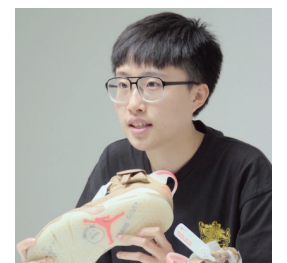
**Paul Russo, Ph.D.**  
*University Vice Provost and Dean,  
Katz School of Science and Health*

“We are research scientists, tech builders and patient-centered clinicians working on problems that matter. We concentrate our energy on industries that are redefining the economy. In the lab, classroom, and clinic, we lead with kindness, integrity, generosity and a commitment to making the world smarter, safer and healthier.”



**Sayanto Pal (India)**  
*M.S. in Biotechnology  
Management and  
Entrepreneurship*

“As an international student from Mumbai, India, I relocated to New York City for graduate studies because of the boundless opportunities it offers. My time at the Katz School has been nothing short of life-changing.”



**Jingyuan Wang (China)**  
*M.S. in Digital Marketing  
and Media*

“Out of the many prestigious universities in New York City, I chose the Katz School for my graduate studies, to learn more about the media industry and to pursue my dreams. As a Katz School student, you are free to develop your talents and ideas to their fullest extent.”



# GRADUATE DEGREES

## FOR THE MOST IN-DEMAND CAREERS

We take an interdisciplinary approach to research and education, fostering the creativity, collaborative thinking and builder mindset required to take on today's toughest problems. Learn the skills employers want and prepare for a lifetime of professional success.

## STEM PROGRAMS



### M.S. in Artificial Intelligence

36 Credits | Fall and Spring Starts

**Average time to completion:**  
1.5–2 years

**Sample Courses:**

Data Acquisition and Management, Numerical Methods, Predictive Models, Machine Learning, Artificial Intelligence, Neural Networks and Deep Learning

**Future Job Titles:**

Data Scientist, Machine Learning Engineer, Software Engineer, Solutions Architect, Artificial Intelligence Engineer, Data Engineer, Cloud Solutions Architect/Engineer, Software Developer

**Median Salary:** \$156,000



### M.S. in Biotechnology Management and Entrepreneurship

36 Credits | Fall and Spring Starts

**Average time to completion:**  
1.5–2 years

**Sample Courses:**

Biostatistics and Informatics, Pharmacology Product Development and Commercialization, Intellectual Property, Regulation and Compliance for Biotech

**Future Job Titles:**

Director of Business Development, Product Manager, Project Manager, Clinical Trial Manager, Life Science Consultant, Marketing Product Manager, Commercialization Manager

**Median Salary:** \$99,000



### M.S. in Cybersecurity

30 Credits | Fall and Spring Starts

**Average time to completion:**  
1–1.5 years

**Sample Courses:**

Architecture of Secure Operating Systems; Applications and Devices; Network, Data and Communications Security; Cloud Security; E-Discovery, Digital Evidence and Computer Forensics

**Future Job Titles:**

Cybersecurity Analyst, Cybersecurity Engineer, Information Security Analyst, Information Security Engineer, Security Engineer, Systems Engineer, Information Systems Security Officer, Cybersecurity Architect

**Median Salary:** \$138,000



**Ranked #2  
Best Online Master's  
in Cybersecurity  
in the U.S. by  
Fortune Magazine,  
2022.**



### M.S. in Data Analytics and Visualization

30 Credits | Fall and Spring Starts

**Average time to completion:**  
1–1.5 years

**Sample Courses:**

Business Modeling, Structured Data Management, Visual Design and Storytelling, Computational Math and Statistics, Analytics Programming, AI Product Studio

**Future Job Titles:**

Data Scientist, Data Analyst, Data Engineer, Software Engineer, Analytics Manager, Business Intelligence Analyst

**Median Salary:** \$175,000



## STEM PROGRAMS



### M.S. in Digital Marketing and Media

30 Credits | Fall and Spring Starts

**Average time to completion:**  
1–1.5 years

**Two Tracks:**

Digital and Social Strategies Track;  
Marketing Analytics Track

**Sample Courses:**

Consumer Behavior and Customer Relationships, Brand Management, Visual Design and Storytelling, Analytics Programming, Web Analytics and SEO

**Future Job Titles:**

Digital Media Buyer, Global Marketing Director, Digital Marketing & Analytics Manager, Demand Generation Manager, Digital Experience Manager, Social Media & Email Marketing Manager

**Median Salary:** \$134,000



### M.A. in Physics

30 Credits | Fall and Spring Starts

**Average time to completion:**  
1–1.5 years

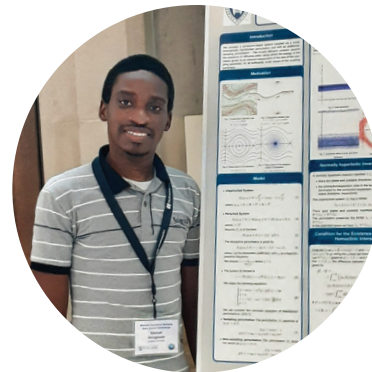
Solve problems in quantum information, mechanical and electronic materials behavior, propagation of waves, biological matter, dynamics, and hardware and software development.

**Sample Courses:**

Engineering Mechanics, Quantum Engineering, Applied Statistical Thermodynamics

**Future Job Title:** Physicist

**Median Salary:** \$122,850



### M.A. in Mathematics

30 Credits | Fall and Spring Starts

**Average time to completion:**  
1–1.5 years

### Ph.D. in Mathematical Sciences

66 Credits (36 credits above a master's degree)

**Average time to completion:**  
3–5 years

Gain a solid foundation in advanced mathematics and develop skills in mathematical modeling, numerical applications and data analysis. Work with research-active faculty and industry mentors to solve real-world problems.

**Sample Courses:**

Mathematical Statistics, Mathematics of Finance, Dynamical Systems, Time Series Analysis

**Future Job Title:** Mathematician

**Median Salary:** \$90,410

## HEALTH SCIENCE PROGRAMS



### M.S. in Physician Assistant Studies

86 Credits | Fall Start

**Average time to completion:**  
28 months

The M.S. in Physician Assistant Studies is an evidence-based medical science program. Students master diagnostic and patient-care skills in top-tier physical diagnosis and clinical skills laboratories, and rotate through clinical disciplines in areas like primary care, internal medicine, general surgery, emergency medicine, women's health, pediatrics and behavioral health, throughout the New York area.

**Future Job Titles:**

Physician Assistant, Physician Assistant Educator, PA Administrator

**Median Salary:** \$130,000



### M.S. in Speech-Language Pathology

55 Credits | Fall Start

**Average time to completion:**  
5 semesters

One of the few SLP programs in the country specializing in the medical aspects of speech-language pathology, our master's program takes a multi-disciplinary approach to diagnosing and treating speech, language, swallowing and communication cases across the lifespan. Offered online and on-campus, the program prepares students to apply for certification from the American Speech-Language Hearing Association (ASHA) and New York State licensure.

**Future Job Titles:**

Speech-Language Pathologist (SLP), Speech Language Therapist, School Speech Language Pathologist

**Median Salary:** \$99,000



### Occupational Therapy Doctorate

115 Credits | Fall Start

**Average time to completion:**  
3 years

The entry-level Occupational Therapy Doctorate prepares students for a lifetime of helping people. Through a student-practitioner approach, students work alongside faculty and learn to translate research into evidence-based interventions, new diagnostics and protocols. Students practice in state-of-the-art labs and complete fieldwork in competitive placements throughout New York City and beyond.

**Future Job Titles:**

Assistive Technology Consultant, OT Consultant, OT Practice Owner, Hospital OT, Independent OT, Skilled Nursing Facility OT

**Median Salary:** \$94,000



# RESEARCH WITH IMPACT



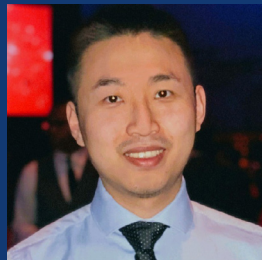
**Natania Birnbaum (U.S.)**  
*M.S. in Biotechnology  
Management and Entrepreneurship*

## A Wearable Device to Help Stroke Survivors Regain Upper Limb Mobility

Natania Birnbaum and Amena Farooq (M.S. in Biotechnology Management and Entrepreneurship) are working with Ke Chen and Ziyang Guo (M.S. in Data Analytics and Visualization) as part of an interdisciplinary team led by Dr. Sai Praveen Kadiyala, postdoctoral fellow in artificial intelligence, to develop a myoelectric exoskeleton—a robotic hand—to support upper-limb rehabilitation for stroke survivors.

Although stroke survivors may not be able to move their muscles, they still produce weak electrical signals that surface electromyography (sEMG) sensors can detect through micro-voltages generated through the skin. The team is building a prototype of a hand exoskeleton that can take sEMG signals from the muscles of the arm and use them to move the fingers of the exoskeleton. Their aim is to create a computational model of different hand gestures and complex grasps that can be used for upper-limb rehabilitation.

Robot-assisted therapies hold promise because they are convenient and cost-effective for the patient and therapist, make data collection from the treatment much easier and increase patient motivation. The advantages of a sEMG-based approach include adaptation to the patient's own body movements and the potential for a more lightweight, flexible and comfortable robot.



**Ke Chen (China)**  
*M.S. in Data Analytics and  
Visualization*



**Ziyang Guo (China)**  
*M.S. in Data Analytics and  
Visualization*



**Samuel Akingbade (Nigeria)**  
*Ph.D. in Mathematical Sciences*

## Mathematics Student Modeling an Unusual Kind of Natural Energy

Samuel Akingbade is researching the mathematical possibility of continuously capturing energy derived from small amounts of vibration in human and natural activity.

Energy harvesting devices, consisting of systems of oscillating beams in skyscrapers, trains and bridges, are made up of piezoelectric materials, which produce an electric charge under mechanical stress. When an internal perturbation or friction is added to the system, the energy produced is not conserved and may evolve randomly or even decay. Akingbade's model will try to determine the right amount of external force on these beams to overcome the effects of internal friction, which stops the beams from oscillating. The resulting surplus of energy could then be captured and stored.

Akingbade, whose work is supported by an NSF grant awarded to mathematics professors Marian Gidea, Edward Belbruno and Pablo Roldan, presented his research at the 2022 Houston Workshop on Hyperbolic Dynamical Systems and in a poster session at the Midwest Dynamical Systems Early Career Conference at the University of Notre Dame. Recognized as one of the top 100 young math researchers in the world, Akingbade has been invited to participate in the Heidelberg Laureate Forum in Germany.





# RESEARCH WITH IMPACT

## Machine Learning Model Refines Satellite Images for Climate Analysis



**Surbhi Nayak (India)**  
*M.S. in Data Analytics and Visualization*

Surbhi Nayak, M.S. in Data Analytics and Visualization, led an interdisciplinary student team in building a machine learning model that utilizes satellite images to refine climate change forecasts, which are important for managing corporate assets. The research was conducted for S&P Global, a publicly traded firm based in Manhattan. Dr. Yuri Katz, the student advisor and senior director of data science at S&P Global Market Intelligence, said his company is particularly interested in assessing the rising risk of climate-induced flooding or wildfire.

Focusing their work on areas in Northern California affected by wildfire, the team collected 20 years of satellite temperature data. The students then wrote an algorithm aggregating the data they plugged into their model, turning low-resolution predictions of climate models into high-resolution images. The result is a machine learning model that utilizes satellite images to refine the spatial resolution of climate change forecasts.

“The students have done compelling preliminary work in this area,” said Andy Catlin, director of the M.S. in Data Analytics and Visualization. “They provided the data for a small area for one key variable—temperature—but they also provided in the software the ability to extend it for other parameters, like precipitation.”

The team included six data analytics students and two artificial intelligence students: Marlee Goodman, Chuyun Hu, Alejandro Parra Garcia, Muhammad Bilal Jamil, Yifeng Lin and Yuan Zheng.



**Bilal Jamil (Pakistan)**  
*M.S. in Data Analytics and Visualization*



**Anton Papa (Greece)**  
*M.S. in Biotechnology Management and Entrepreneurship*

## Lab to Life: The Path to Successful Biotechnology Commercialization

Commercializing biotechnology inventions is a critical driver of both economic growth and societal progress, with the potential to improve public health and quality of life. However, important biotechnology inventions often fail to make it to market due to regulatory hurdles, funding constraints and intellectual property (IP) rights.

Albert Einstein College of Medicine’s Office of Biotechnology and Business Development (OBBB) seeks partners to commercialize biotechnology inventions. In collaboration with OBBB, Anton Papa explored the commercialization potential and requirements for three novel biotechnology inventions: a technique to preserve organ and tissue, and small molecule therapies for Type I Diabetes and lung cancer.

Considering each product’s IP and invention disclosure, market analysis and potential licensing partners, Papa developed comprehensive marketing briefs outlining strategies for investors, stakeholders and entrepreneurs interested in commercializing biotech inventions.



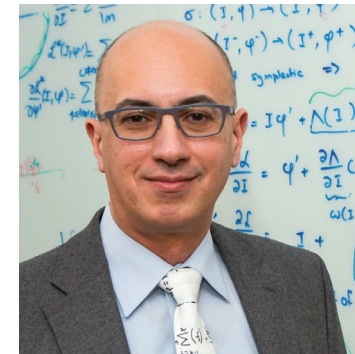


# FEATURED FACULTY

Learn from world-class faculty, industry leaders and accomplished researchers. In our intimate classes, you are in constant dialogue with faculty, guest lecturers and peers, which creates a wealth of learning opportunities.

## **Dr. Marian Gidea** *Mathematics*

Associate Dean of STEM Research and Director of Graduate Mathematics, Dr. Gidea is an expert in dynamical systems and applications. Dr. Gidea has co-authored two books, published dozens of articles and spoken at more than 50 conferences worldwide.



In 2021, the National Science Foundation appointed him as a program director in the Mathematical Sciences Division, a position awarded only to the most accomplished researchers. Dr. Gidea has received over \$900,000 in research funding since he joined YU in 2013.

## **Dr. Marissa Barrera** *Speech-Language Pathology*

Assistant Dean of Health Sciences and Director, M.S. in Speech-Language Pathology (SLP), Dr. Barrera is an internationally recognized medical SLP and Multiple Sclerosis Certified Specialist. She is a leading expert on



the use of modalities for speech and swallowing rehabilitation and in the treatment of individuals with neurological conditions. She has lectured in over 15 countries on clinical topics including dysphagia, NMES, motor speech disorders, cognition and neurodegenerative diseases. She has over 80 research abstracts and has been featured in *Women's Health*, *Vice Magazine*, *ADVANCE* for SLP, and *MTV*.

## **Fayrose Fouad Abodeshisha** *Physician Assistant Studies*

Director of Clinical Education for the M.S. in Physician Assistant (PA) Studies, Professor Abodeshisha is a leader in both the surgical and educational arenas. As lead senior PA in trauma and acute care surgery at New York University School of Medicine/Bellevue



Hospital's Surgery Department, she acted as a senior PA on the surgical service, as PA Education Director, and as a clinical preceptor for PA students on their surgical rotations. She has been recognized for her outstanding dedication to PA education by her students and faculty colleagues alike.

## **Andy Catlin** *Data Analytics and Visualization*

Director of the Data Analytics and Visualization program, Andy Catlin is the founder of the tech startup Hudson Technology Group, which was acquired by Incepta. A data scientist and data



system developer, he's skilled at financial instrument pricing and forecasting using the weighted Black Scholes Merton model, as well as incorporating yield curve analysis into emerging markets products. Catlin's clients include Fidelity Investments, Smart Money, Donaldson, Lufkin and Jenrette, Manufacturers Hanover Trust, the National Football League and *The Wall Street Journal*.

## **Dr. Mindy Garfinkel** *Occupational Therapy*

Dr. Mindy Garfinkel, a professor and interim director of the Occupational Therapy Doctorate, is an occupational therapy practitioner with more than 30 years of experience in pediatrics, school-based practice and adult rehabilitation. She is certified as an assistive technology professional (ATP) and has presented nationally on topics related to service delivery in school-based practice, literacy, Universal Design for Learning and assistive technology.





**Asaf Hochman**  
*Digital Marketing and Media*

An expert in startup/post-launch marketing, Asaf Hochman is global head of product marketing at TikTok, where he leads product strategy and growth for the company's ad network. As a former product strategy and marketing leader at Facebook, he



spearheaded monetization solutions for the world's leading media companies, including Disney, Viacom, NBC and *The New York Times*. Hochman began his career as a software engineer in the Israel Defense Forces, led global product marketing at the unicorn startup Outbrain, and held digital strategy roles at various ad agencies.

**Dr. Sai Praveen Kadiyala**  
*Artificial Intelligence*

Dr. Kadiyala is a postdoctoral research fellow in artificial intelligence, with expertise in microservice security, evasive malware analysis, automotive and embedded security, approximate



computing and adversarial learning. As a postdoctoral fellow in electrical engineering and computer science at Nanyang Technological University, Singapore, he worked on approximate architectures for low-power hearing aids and on cybersecurity for embedded systems. As a research scientist at Singapore's Institute for Infocomm Research, he developed anomaly detection algorithms for program behavior analysis and characterization of malware. His research is supported by grants from the Science and Engineering Research Council and A-STAR.



**Dr. Rana Khan**  
*Biotechnology Management and Entrepreneurship*

Founding Director of the Biotechnology Management and Entrepreneurship program, Dr. Khan is an expert in biotechnology education, cell and molecular biology, transcription regulation and gene expression. She spent her early career as a bench scientist working in the U.S. Department of Agriculture, later becoming vice dean in the graduate school at the University of Maryland University College (UMUC) and program director for the school's professional science master's degree in biotechnology. There, Dr. Khan implemented a variety of initiatives, including an e-mentoring program, industry-sponsored capstone projects and a biotechnology symposium.



**Lorraine Marchand**  
*Biotechnology Management and Entrepreneurship*

A former executive for Bristol Myers Squibb, IQVIA, Cognizant, Covance/Labcorp and the National Institutes of Health, Marchand is currently General Manager of Life Sciences for IBM Watson Health Life Sciences. She is the co-founder of four startups and has led more than 200 clinical programs from preclinical to NDA submission and launch. At Princeton University, Marchand was the James Wei Visiting Professor of Entrepreneurship. Her book, *The Innovation Mindset* (Columbia University Press, 2022), is the culmination of a life devoted to innovative thinking, offering a step-by-step approach to turning big ideas into reality.

**Joseph Panzarella**  
*Digital Marketing and Media*

Director of the M.S. in Digital Marketing and Media program, Joseph



Panzarella is a senior-level analyst and marketing professional specializing in organic social and online media advertising and the application of advanced analytical techniques to drive marketing communications and business intelligence. He's leveraged those skills for well-known brands such as Astellas, Cadillac, State Farm, Verizon, AT&T, Pfizer, Avis Budget Group and the U.S. Department of Commerce. He's provided marketing analytics support for the 2010 U.S. Census and Brand USA—the U.S. government's first global travel organization encouraging international travelers to visit the United States and supporting the growth of travel-related American jobs.



**Dr. Emil Prodan**  
*Mathematics*

Dr. Emil Prodan, Professor of Physics, has a background in mathematical physics, specifically in operator theory, spectral analysis and constructive quantum field formalism. He recently received a three-year National Science Foundation grant for "Topological Dynamics of Hyperbolic and Fractal Lattices," and was among the 2016 recipients of the Keck Foundation research awards for the collaborative project "Engineering New Materials Based on Topological Phonon Edge Modes." In 2011, he received the NSF CAREER award for his proposal "Strong Disorder and Electron Interaction Effects in Topological Insulators."



**Dr. Pablo Roldan**  
*Artificial Intelligence*

Assistant Professor of mathematics, Dr. Roldan is an expert in financial mathematics, dynamical systems and machine learning. He has spoken at more than 20 international conferences, and received research grants from the National Science Foundation, CONACYT, the Spanish Ministry of Science, and the European Regional Development Fund. Dr. Roldan concentrates on the research and development of complex and real-world domains and applications.



**Sivan Tehila**  
*Cybersecurity*

Cybersecurity expert and entrepreneur Sivan Tehila is Director of the M.S. in Cybersecurity and founder and CEO at Onyxia, a stealth mode security startup. Following a 10-year career in the Israel Defense Forces, Tehila worked as an information security officer and profiler for an Israeli defense company

and held high-level security positions at a variety of other high-profile corporations. Committed to promoting women in cybersecurity, she is the founder of Cyber Ladies NYC and was recognized as a 2020 Woman to Watch in IT Security. In 2021 and 2022, she led a team of cybersecurity students to win first place in ISACA's annual Cybersecurity Challenge.

**Dr. Amiya Waldman-Levi**  
*Occupational Therapy*

Dr. Amiya Waldman-Levi, a clinical associate professor and director of scholarship and research in the Occupational Therapy Doctorate, is a researcher, clinician and educator with extensive experience in higher



education, teaching and mentoring a diverse body of students in the United States and Israel. Her research focuses on promoting the resiliency of individuals, families and caregivers to overcome the impact that adversity has on their social-emotional functioning. She has published widely on topics related to parent-child relationships, adversity and cognition, and has diverse research experience with observational and psychometric studies, effectiveness studies, scoping review and mixed-methods designs.



# STATE-OF- THE-ART LABS AND CLINICS



**Dr. Honggang Wang**  
*Computer Science*

Dr. Honggang Wang, chair of the Katz School's new Computer Science Department, is a computer scientist with deep expertise in AI and its applications to digital health, 5G/6G communications and cybersecurity. One of his discoveries was a portable, lightweight "intensive care unit," which includes a wearable biosensor system incorporating a wireless body area network that monitors remotely the physiology of infants. An IEEE Fellow and Distinguished Lecturer, Dr. Wang has received over \$5 million from the National Science Foundation, National Institutes of Health and U.S. Department of Transportation.

**Dr. Youshan Zhang**  
*Artificial Intelligence*

Assistant Professor of Computer Science and Artificial Intelligence, Dr. Zhang's research interests lie in AI, machine learning, computer vision,



transfer learning, manifold learning and shape analysis. His research focuses on developing computational methodologies for understanding problems in medical image analysis (such as using machine learning methods to discover the underlying mechanisms of diseases) and computer vision (such as classification, segmentation, and object detection). He is also excited about interdisciplinary research and collaborating with researchers from related fields.



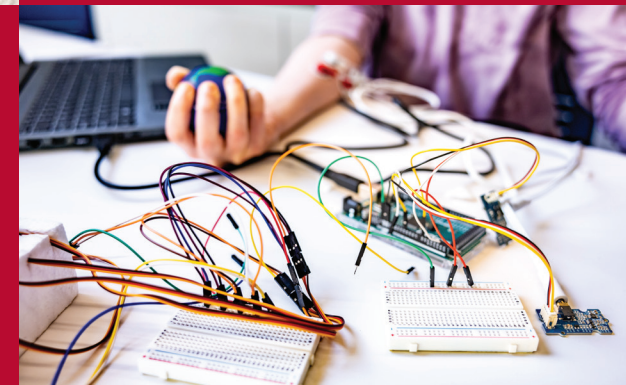
**Dr. Fredy Zypman**  
*Physics*

Dr. Fredy Zypman, Chair of the Department of Physics, is an expert in image reconstruction with scanning probe microscopes, atomistic modeling of materials, quantum optics, and mathematical optimization. He has co-authored more than 100 peer-reviewed articles and has received research grants from NSF, NIH, NASA and the U.S. Department of Energy, as well as a NASA Faculty Research Fellowship and a Research Corporation award. Dr. Zypman also holds three patents on probe microscopy.



## Security Operations Center (SOC)

The first of its kind in New York City, the Security Operations Center exposes researchers and students in cybersecurity, computer science, AI and data analytics to next-generation technologies, hyper-realistic and immersive simulations, enterprise-grade networks and advanced security tools.



## Internet-of-Things Lab (IoT)

The IoT lab provides faculty and graduate students with access to advanced sensor arrays, internet-enabled devices and a testbed for digital transformations in AI, biotechnology, security and communications.



## Occupational Therapy Labs

In our occupational therapy labs, students use the latest equipment, practice and simulate interventions for a range of client populations and clinical settings and build the skills they need to become expert practitioners.



## Speech-Language Pathology Virtual Community Clinic

The virtual community clinic offers free telehealth speech, language, cognitive and swallowing services to all Yeshiva University faculty, students and staff, as well as all individuals residing in New York State. The clinic is staffed by graduate student clinicians and all evaluation and treatment sessions are fully supervised by New York State-licensed faculty practitioners.



## YU Innovation Lab

The YU Innovation Lab is an incubator for student entrepreneurs and an innovation hub for startups ready to explore new markets. Under the guidance of expert faculty, Katz School graduate students work with the Innovation Lab's startups on brand strategy, social media marketing, customer and audience insights.



# WHY KATZ?

With a vibrant campus life and New York City at your fingertips, the Katz School is the place where bold, purpose-driven people come to create, connect and explore.



**XIAOLAN LI (China)**  
*M.S. in Artificial Intelligence*  
Associate Software Engineer,  
JPMorgan Chase & Co

“ The Katz School’s curriculum is closely aligned with the skills required in the professional world, which made it easier for me to navigate the work world after graduation. The small classes meant I could really connect with faculty and classmates, and I had great opportunities to gain hands-on experience through faculty research and a summer internship at S&P Global.

”



**JESUS OLIVERA (U.S.)**  
*M.S. in Data Analytics and Visualization*  
Data Scientist, IBM

“ Thanks to the data analytics master’s program, I gained the technical skills that allowed me to join one of the most prestigious technology companies in the world. I’m now designing and building solutions that I never thought I would. I needed that extra level of academic experience from the Katz School to be able to talk about the technical side of the business at IBM with confidence.

”



**DIEGO ACEVEDO (Paraguay)**  
*M.S. in Biotechnology Management and Entrepreneurship*  
Clinical Data Manager, Merck

“ The Katz School helped me discover my passion for clinical trials and develop the science and business knowledge I needed to land the job I have today at Merck, one of the top pharmaceutical companies in the world. I would recommend the Katz School for anyone who is trying to find a new career path.

”



**JONATHAN DEUTSCH (U.S.)**  
*M.S. in Cybersecurity*  
Vice President, Information Security,  
JPMorgan Chase & Co.

“ You can always learn the hard skills but learning the soft skills—like how to communicate and lead a team—is just as important. That’s where the Katz School was exceptional. The faculty are genuinely interested in students and are there for you. They are very passionate about their areas of expertise and want their students to succeed.

”



**DANI WEINGARTEN (U.S.)**  
*M.A. in Speech-Language Pathology*  
Speech-Language Pathologist,  
NY Neurogenic SLP

“ The faculty supported and believed in me, but they didn’t spoon-feed me. They were tough in all the right ways—and dedicated.

”



**JEEHO BAE (South Korea)**  
*M.S. in Data Analytics and Visualization*  
Assistant Vice President,  
Morgan Stanley

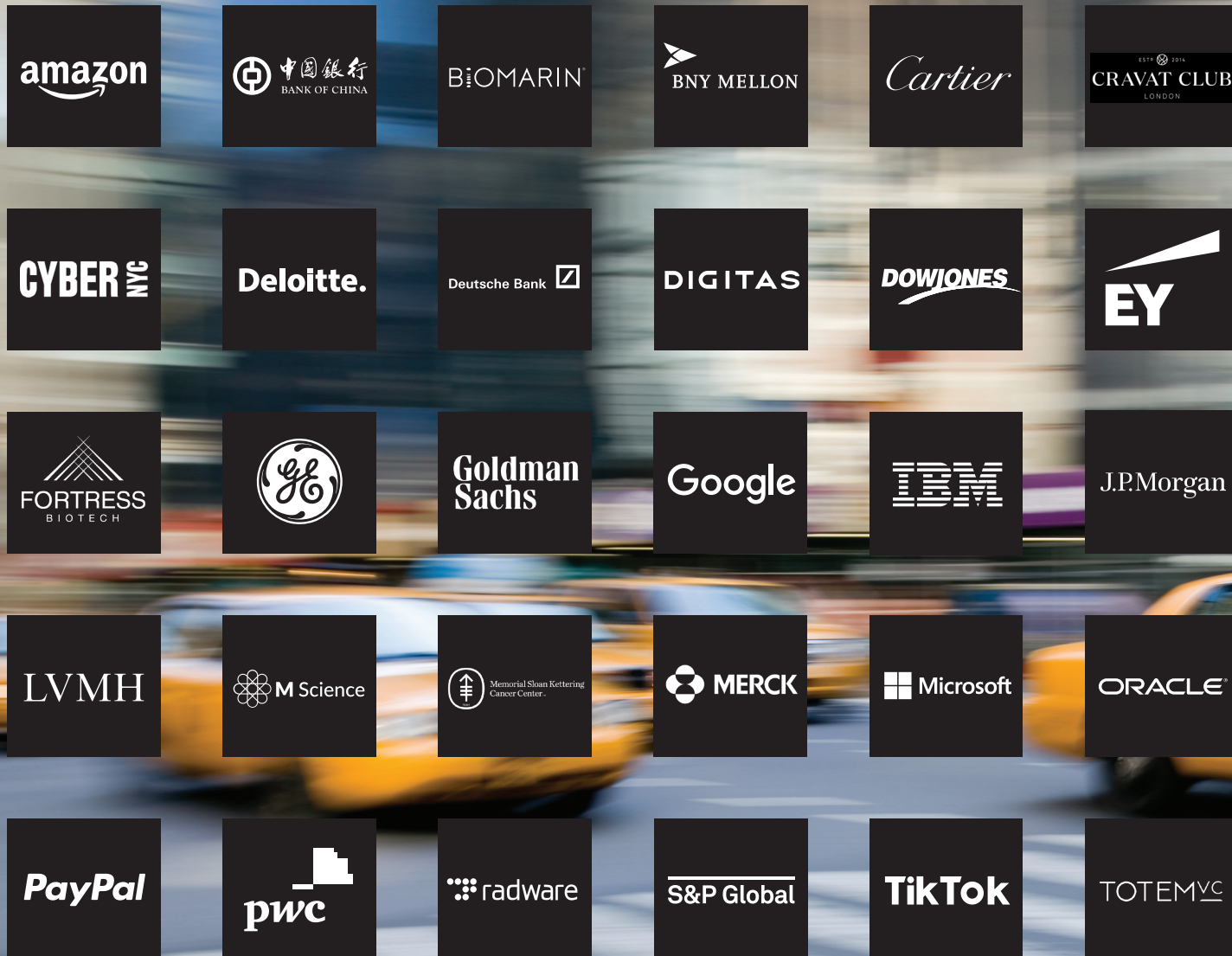
“ The Katz School’s Midtown Manhattan location was a huge advantage when networking with professionals in the data analysis and data science fields. The program quality and practical approach to learning stand out compared with other schools.

”



# THE VALUE OF A KATZ DEGREE

With a 95 percent employment rate within six months of graduation, Katz graduates land dream jobs and impactful careers with top organizations.



## HOW TO APPLY

At Katz, we take a holistic approach to application review. We look for students with intellectual curiosity, a capacity for rigorous academic work, and a commitment to work hard and finish what they start. If you're interested in joining an inspiring community of ambitious innovators, we encourage you to apply.

### STEM PROGRAMS

All applicants to Katz School STEM master's programs must submit the following:

- Completed online application
- US \$50 non-refundable application fee
- Supporting documents, including:
  - Transcripts from all colleges and universities attended
  - Statement of purpose
  - Resume/CV
  - Proof of English proficiency (if you are an international student)
  - Recommendation letters (required for Data Analytics, Artificial Intelligence, Math and Physics programs only)
  - GRE and/or GMAT scores (required for Math and Physics programs only)

Applicants must also meet any knowledge requirements—including any prerequisite coursework—for their intended program. Please refer to the program website for more information.

### HEALTH SCIENCE PROGRAMS

Admissions requirements and application information for Katz School's health science programs are available on the respective program web pages.

### STEM FELLOWS SCHOLARSHIP

Join the next generation of science and tech innovators. As a STEM Fellow, you'll join the Fellows First Year Seminar; showcase and publish your research at Katz School's annual Symposium on Science, Technology and Health; and receive a generous tuition scholarship. The STEM Fellows program is open to both U.S. and international Katz School at Yeshiva University students and is approved for STEM-OPT.

Learn more at [www.yu.edu/katz/stem-fellows](http://www.yu.edu/katz/stem-fellows).

## READY TO APPLY?

Contact [katzgrad@yu.edu](mailto:katzgrad@yu.edu) or visit [www.yu.edu/admissions](http://www.yu.edu/admissions) for more information.

We're happy to speak with you about any aspect of the admissions process as well as your academic and career goals.



Katz School of Science and Health  
Yeshiva University  
205 Lexington Avenue, 6th Floor  
New York, New York 10016

Email: [katzgrad@yu.edu](mailto:katzgrad@yu.edu)  
Phone: 646.592.4753  
Web: [www.yu.edu/katz](http://www.yu.edu/katz)



**Katz**  
Katz School  
of Science and Health

