



# DID YOU KNOW?

- NYU Tandon moved up **39 spots** over the last decade in *U.S. News and World Report*.
- Alum James Truslow Adams (1898) coined the term **The American Dream** in his 1931 book *The Epic of America*, painting a portrait of a place where *“each man and each woman shall be able to attain to the fullest stature of which they are innately capable, and be recognized by others for what they are, regardless of the fortuitous circumstances of birth or position.”*
- NYU Tandon is a premier center for **Cybersecurity**. It launched one of the first cybersecurity master's degree programs (1998); runs the world's largest student-run cybersecurity games, CSAW, with 20,000 participants annually; is home to the “Bridge” program, uniquely designed to give those lacking a background in science or engineering a gateway into earning a master's in cybersecurity or other select master's degree; a leader in hardware security research; and as home to the NYU Center for Cybersecurity is home to a cross discipline program with law and business.



- **NYU WIRELESS** is among the top 5 academic research centers for 5G wireless communications and is at the vanguard of tomorrow's tech. Having pioneered mm-wave wireless, the center is exploring realms above 100GHz, and now looking ahead to 6G. The future is now.



- **Women** make up 43% of the Tandon Class of 2022, 20% higher than the national average for an engineering school. 40% of our students are 1st in their families to attend college and over 1/3 are Pell eligible. NYU Tandon is changing the definition of who is under-represented in STEM.

→ **NYU Tandon Online** is ranked by *U.S. News and World Report* among Best Online Graduate Engineering programs for the 6th year in a row, and #2 among Online Information Technology Master's Degree Programs.

→ **FINTECH**: Second oldest financial engineering program (1995), ranked #9 by Quantnet.

→ The Center for **K-12 STEM Education** has educated 500 teachers and positively impacted our 50,000 public school students since 2013.



→ Tandon is home to the first NYC-supported tech incubator, created in 2009; today, graduated companies have generated \$1 billion in funding, over 3,200 jobs, and \$4 billion in total economic activity. Our network of startup business hubs now includes the **Digital Future Lab**, devoted to such areas as cloud computing and digital media; the **Urban Future Lab**, whose companies are working to advance smart cities, clean energy; the **Data Future Lab**, which incubates early-stage businesses working with computing, artificial intelligence, machine learning, or building intelligent conversational agents; and the **Veterans Future Lab**, dedicated to helping the nation's military veterans transition to civilian life through entrepreneurship: Future Labs companies have the inverse success rate of the national average for startups.





## ALUMNI

- In 1914 the Panama Canal was completed. Its lock system was the work of our alum **Henry Goldmark** (1874), who was later awarded a medal of honor by President Howard Taft for his crucial contribution to the project.
- In 1957 **Eugene Kleiner** ('48) helped found Fairchild Semiconductor, a pioneer in transistor and integrated-circuit manufacturing. The company's production of silicon transistors, rather than ones made of more common germanium, helped give Silicon Valley its name. Kleiner later co-founded a venture capital firm that provided funding for such now-iconic companies as Amazon, Google and AOL.
- In 2009, when she was appointed CEO of Xerox, **Ursula Burns** ('80) became the first African-American woman ever to head a Fortune 500 company.



370 Jay Street



MakerSpace

- In 2016, **Nina Freeman** ('15) was named one of the most important young figures in the gaming world by Forbes magazine; in 2018 her work was included in an exhibit at London's Victoria & Albert Museum, and CNN recognized her as one of the "bold, provocative, and inclusive new faces of game design."
- **Myriam Sbeiti**, the valedictorian of the Class of 2018, is the co-founder of a thriving company, Sunthetics, launched while she was still a student and devoted to developing greener production methods for the chemical-manufacturing world. She is an example of the Tandon entrepreneurial way of thinking.



Nina Freeman

Myriam Sbeiti

- The Tandon community includes multiple Nobel laureates — **Frances Crick** (postdoctoral fellow during the '53-'54 academic year), **Gertrude B. Elion** (former Ph.D. student and recipient of a 1989 honorary degree), **Martin L. Perl** ('48), and former professor **Rudolph Marcus** — as well as Turing Prize winners **Judea Pearl** ('65) and **Martin Hellman** ('66)

- **Arthur V. Abbott** (1875) and **James J. Wood** (1879) were instrumental in building the Brooklyn Bridge
- **John McKeen** ('26) and **Jasper H. Kane** ('28) enabled the mass production of penicillin, thereby saving countless lives

- **Charles R. Flint** (1868) founded such iconic companies as IBM.

- Tandon's astronaut alum, **Paolo Nespoli** ('88, '89), returned this year from his third trip to the International Space Station, bringing the total number of days he has spent in space to 313.



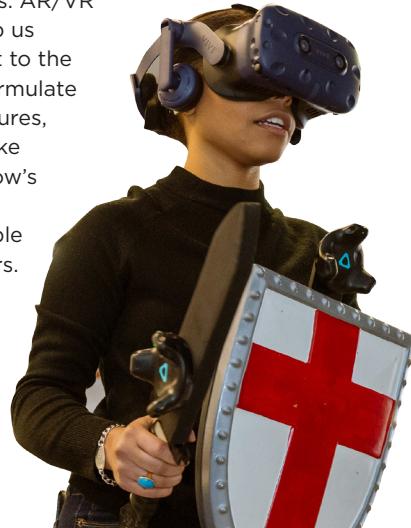
Paolo Nespoli



## FACILITIES

- **370 Jay Street**, the 500,000-sq-ft former MTA headquarters has been transformed into a state-of-the-art home to innovation, technology, and engineering.
- The NYU Tandon **MakerSpace** contains everything aspiring engineers need to take their innovations from ideas to concepts and eventually prototypes.
- Tandon's **NanoFab Cleanroom**, Brooklyn's first cleanroom, will allow our researchers to fabricate advanced materials and devices that will push the boundaries of established science and technology.

- The **RLab** — the first City-funded virtual and augmented reality lab in the country — will help change the way we communicate, tell stories, and conduct business. AR/VR will help us connect to the past, formulate new futures, and make tomorrow's reality attainable to others.



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OF ENGINEERING

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