



Northeastern University

RESILIENCE, REINVENTION, AND ACHIEVEMENT

Institutional Accomplishments 2020



“ At this watershed moment in history, the Northeastern community has responded with extraordinary resilience, a great capacity for reinvention, and a shared commitment to maintaining our momentum. Through many difficult months of collective effort, we have enabled Northeastern to move forward stronger today while opening new pathways to transform tomorrow. For these accomplishments, I extend my thanks to each of you.

A handwritten signature in black ink, appearing to read "Joseph E. Aoun".

Joseph E. Aoun
President

EXPERIENCE-POWERED LEARNING

Global reach

11,894

co-op placements in 2019–2020,
up 89% since 2006

661

freshmen enrolled in
NU Start

148

countries where Northeastern
has provided experiential
learning opportunities
since 2006

824

students enrolled in N.U.
in Boston, a global study
program new for fall 2020

Learning redesigned

To reopen our campuses safely this fall while preserving Northeastern's distinctive educational experience, we designed learning approaches of unparalleled flexibility and reach.

Hybrid NUflex enables students to learn in the classroom and enriches the experience for those who are attending remotely. NU Start, a unique online freshman curriculum that integrates experience into the virtual classroom, builds learning communities around global challenges. Both new portals expand learning anytime, anywhere.

Northeastern's new **Life Sciences Testing Center** is designed to process up to 7,000 SARS-CoV-2 tests a day—a vital safeguard for the Boston campus community.



EXPERIENCE-POWERED LEARNING

Talent and achievement

93%

of graduates, on average, are employed full time or enrolled in graduate school within nine months of graduation (since 2006)

89%

of employed 2019 graduates are doing work related to their major

Global health champion

One of 32 U.S. Rhodes Scholars this year, Kritika Singh, E'20, founded the Northeastern University Global Health Initiative and helped produce student-led global health conferences. She also amassed an extraordinary record of research at Massachusetts General Hospital and Dana-Farber Cancer Institute. She is splitting her PhD between Oxford, where she'll do two years of lab research as a Rhodes Scholar, and the National Institutes of Health, where she'll integrate her findings into public health policy—a field she hopes one day to lead.



Network of opportunities

Closing the U.K.'s skills gap

The university's London campus, NCH at Northeastern, will offer a new three-year degree program this fall in partnership with the global workflow technology provider ServiceNow, designed to help close the U.K.'s technology skills gap and advance the digital transformation of the nation's economy. Through full-time apprenticeships with the university's employer-partners, students will gain digital, business, and leadership skills and earn a U.K. Bachelor of Science degree with honors (BSc [Hons]) in digital and technology solutions.



8,000+

graduate and undergraduate learners have worked on 2,400 projects for 2,000 employer partners in Northeastern's Experiential Network since 2015

11

campus locations in the global university network:
Boston; Burlington, Massachusetts; Charlotte,
North Carolina; London; Nahant, Massachusetts;
Portland, Maine; San Francisco; Seattle; Silicon
Valley; Toronto; and Vancouver

Strengthening our community

A more inclusive university

Following a week of discussion and reflection in the aftermath of George Floyd's killing, the Northeastern community is moving to elevate the presence and experiences of Black and other underrepresented populations on its campuses. The university has named a community advisory board to improve relations with the Northeastern police department; appointed a presidential cabinet-level advisor for diversity and inclusion; and is developing strategies to attract more Black students, faculty, and staff, and improve support systems.

“ I believe that we will tear down the racial injustices facing our Black community. It will not be easy, but together we can begin to dismantle every system that oppresses.

Maame Amoako, BHS'21

19,100

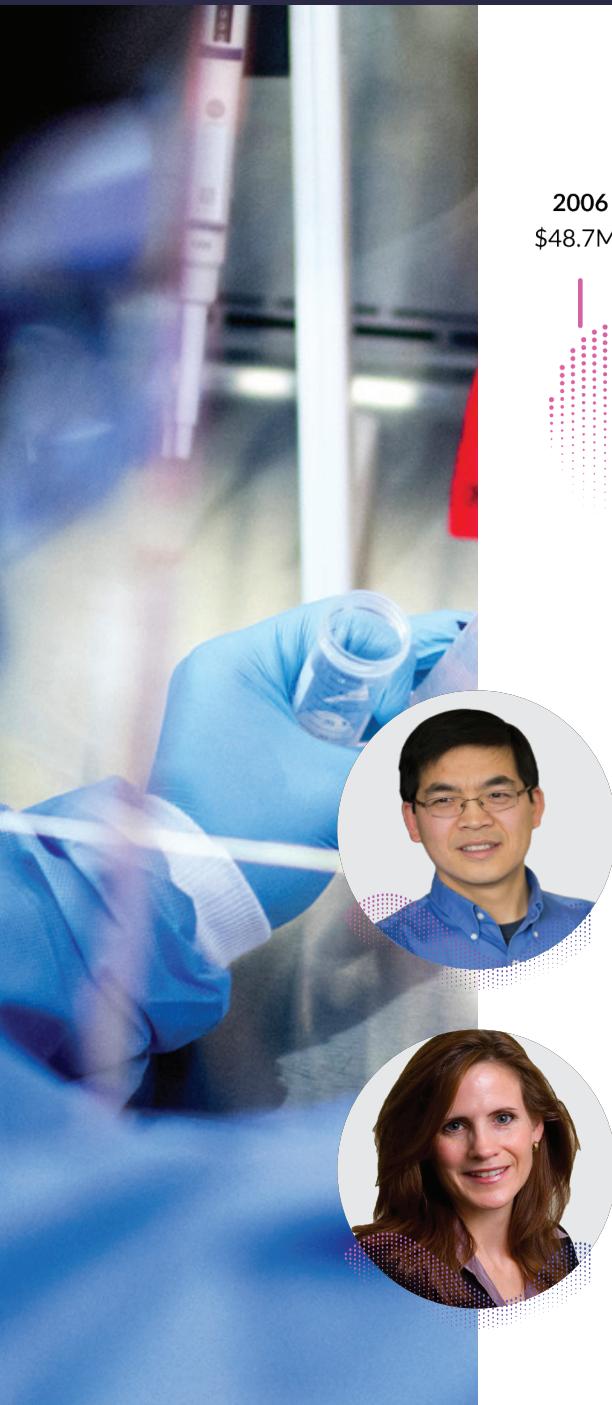
students participated in 493 student organizations, 2019–2020

26%

of the student body are students of color, up from 16% in 2006



Expanding impact

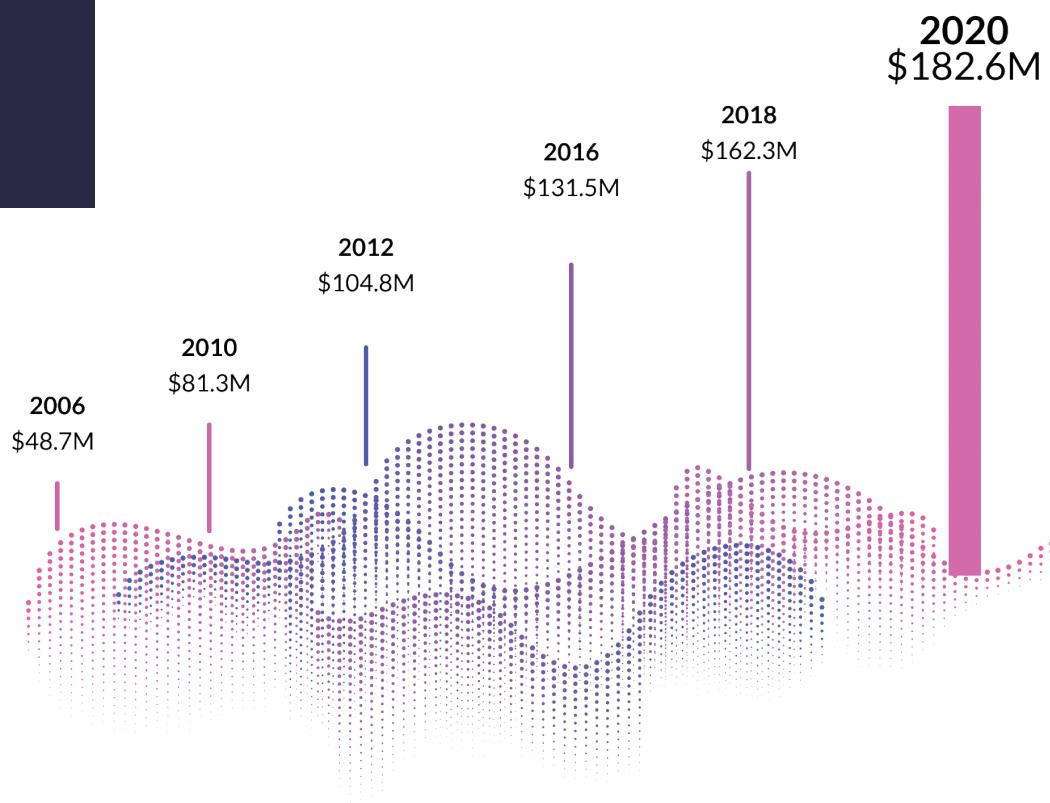


78%

increase since 2010 in the percentage of applicants admitted to PhD programs who go on to enroll—a measure of rising reputation

64

faculty members are working on pandemic-related research projects



A breathalyzer for coronavirus

Gas-sensing technology created by Nian Sun, professor of electrical and computer engineering, can instantly reveal SARS-CoV-2 in an infected person's exhalations. Sun is seeking emergency authorization from the U.S. Food and Drug Administration for his prototype, which he says detects the virus as effectively as the gold-standard polymerase chain reaction test.

A call for childcare access

In a national survey of working parents this spring, Associate Professor of Economics and Public Policy Alicia Sasser Modestino and two colleagues found that the pandemic's impact on childcare access is reducing workforce participation and slowing the nation's economic recovery.

RESEARCH AND INNOVATION

Creating the future

745

tenured/tenure-track faculty
hired since 2006, including 42
in 2019–2020

11

faculty earned recognition
for early career achievement,
including five National Science
Foundation CAREER Awards

9

interdisciplinary research
institutes founded since 2011

Uniting humans and machines

The Institute for Experiential AI, launched in 2019, is designed to harness the power of human-AI collaboration to achieve breakthroughs that neither people nor intelligent machines could do alone. The institute will focus this human-centered approach on solving problems in health, security, and sustainability. Faculty will work across disciplines, from computing and materials science to design, law, and ethics. And they will partner with industry, government, and nongovernmental organizations to develop new AI technologies.



Ecosystem of invention

384

patents granted to faculty
and students since 2006

Top 10

nationally for undergraduate and
graduate entrepreneurship programs
in *Entrepreneur Magazine* / Princeton
Review rankings

73

spinout companies founded by
faculty and students since 2006



Recycling mining waste

Mining generates 172 billion tons of waste per year worldwide. To extract value from this toxic sludge, Nick Myers, MBA'17, has founded Phoenix Tailings. The company's proprietary technology sustainably "re-mines" aluminum, iron, and the rare earth metals used in cellphones, radar systems, and other devices. With colleagues Elizabeth Cline, E'20, Richard Salvucci, E'13, and Riddhi Samtani, SSH'19, CEO Myers also aims to reduce U.S. dependence on imported metals.

PRIDE AND SUPPORT

The spirit of philanthropy



Investing in our tech-driven future

Tech entrepreneur David Roux and his wife, Barbara, made the largest gift to Northeastern in its history: \$100 million to launch the Roux Institute in Portland, Maine, as a hub for graduate education and research in the digital and life sciences. The Rouxs see Northeastern as the ideal partner to propel Maine into the innovation economy, thanks to the university's entrepreneurial leadership, success in opening campuses in other cities, and proven record of partnering with employers, government, and academia to meet global workforce needs.

“ We’re going to make a massive investment ... focused at the most technically advanced edge of the technology sphere—which is AI and machine learning.

David Roux
Tech entrepreneur and
Northeastern benefactor

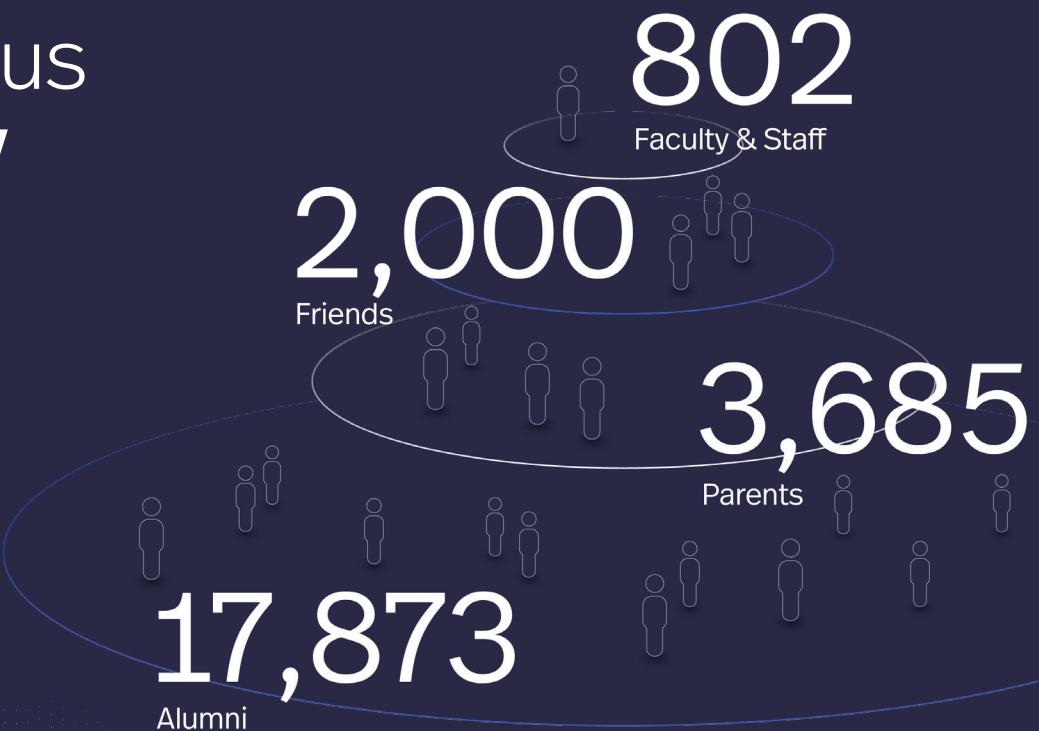
\$180.2M

in gifts and pledges in 2019–2020

25,378

individual donors from 96 countries,
including 7,553 first-time donors

Our generous community



Modeling COVID-19's spread

Alessandro Vespignani, the Sternberg Family Distinguished University Professor, is modeling and predicting the spread of COVID-19 as head of a global consortium of 60 academic centers. Three gifts—from trustee and board chair emeritus Sy Sternberg, ME'68, H'12, and his wife, Laurie; trustee James Pallotta, MBA'81; and the Patrick J. McGovern Foundation—are advancing his team's policy-shaping work.



Supporting students abroad

Linda Block was one of the first women to major in business at Northeastern, and among the first hired as a teaching assistant. Now she is celebrating her D'Amore-McKim School of Business experience with a bequest to support study and research abroad.

PRIDE AND SUPPORT

Rising together

5,300+

participants from 64 countries engaged in 235 virtual programs and events

\$628,400

raised for student financial aid through the COVID-19 Resilience Fund

275,000+

alumni live and work in 177 countries served by 47 global Northeastern communities

A meeting of minds

Hosted by Northeastern President Joseph E. Aoun at the Taj Mahal Palace hotel in Mumbai in March, the four-day Global Leadership Summit featured entrepreneurs leading discussions about innovation, sustainability, and civic participation in a world adapting to artificial intelligence.

Lessons in resilience

New virtual experiences this past year sponsored by the Office of Alumni Relations offered alumni lifelong learning and career resources to meet economic challenges during the coronavirus pandemic and beyond. More than 2,500 alumni from 50 countries skilled up on topics ranging from cultivating a resilient leadership identity to navigating the job market.



