

By the Numbers

Faculty: 45 tenure track, 16 clinical and faculty of instruction, one senior lecturer, one research faculty member, and 25 affiliated faculty

Enrollment: 10,647 (AY 2023-24)

Undergraduate Students: 880 majors, 117 minors

Graduate Students: 204 MS and 160 PhD

MBAi: 90 students

MSAI: 68 students

PhD in Computer Science and Learning Sciences (joint with the School of Education and Social Policy): 22 students

PhD in Technology and Social Behavior (joint program in CS and Communication): 26 students

Machine Learning and Data Science Minor (joint with Industrial Engineering and Management Sciences): 215 students

New Faculty

Core Tenure-track CS Faculty



Edith Elkind, Ginni Rometty Professor of Computer Science
algorithmic game theory, computational social choice, and artificial intelligence

Jointly Appointed Faculty



Nivedita Arora (CS + electrical and computer engineering)
sustainability-first computing systems

Faculty of Instruction



Anjali Agarwal
theory, introductory programming, data structures



Dietrich Geisler
graphics/vision, programming languages, compilers



Yiji Zhang
program analysis, software engineering

Clinical Faculty



Joshua D'Arcy
machine learning, ambient data collection, just-in-time adaptive interventions

Research Faculty



Dmitrii Pasechnik
pure/applied mathematics, mathematical software

Undergraduate Program

Reflecting Northwestern's institutional priorities around data analytics and artificial intelligence, non-CS undergraduate students can engage deeply with the core scientific concepts behind AI technologies through the new [minor in artificial intelligence](#).

Students in the recently expanded [Machine Learning and Data Science Minor](#) gain hands-on experience with visual models and techniques used for collecting, cleaning, and analyzing data.

Undergraduate students in computer science have the opportunity to declare an optional [major concentration](#) in one of the following sub-fields:

- Artificial Intelligence
- Computer Hardware and Architecture
- Foundations
- Human-Computer Interaction
- Robotics
- Security and Privacy
- Software Engineering and Programming Languages
- Systems

New Research Centers

The [Center for Foundation Models and Generative AI](#) led by **Han Liu** aims to drive innovation, enhance collaboration across the Midwest, and ensure that AI serves as a force for positive change.

Brenna Argall and **Elizabeth Gerber** are collaborators with [Human Augmentation via Dexterity \(HAND\)](#), a new US NSF Engineering Research Center dedicated to revolutionizing the ability of robots to amplify human labor.

The [NSF-Simons AI Institute for the Sky](#) will develop AI tools and accelerate astronomy's data-driven revolution. **Aggelos Katsaggelos** (co-PI), **Emma Alexander**, **Jessica Hullman**, **Han Liu**, **Aravindan Vijayaraghavan**, and **Ermin Wei** will join the multidisciplinary team.

Awards and Honors

The Northwestern CS community is recognized for their accomplishments in research, education, and mentorship.

Emma Alexander participated in the Grainger Foundation Frontiers of Engineering 2024 Symposium.

Nivedita Arora won the 2024 ACM Doctoral Dissertation Award.

Karan Ahuja won the ACM SIGCHI Outstanding Dissertation Award and was named to *Forbes* '30 Under 30 Asia 2024.'

PhD students **Mandi Cai** and **Melissa Chen** were awarded NSF Graduate Research Fellowships.

Andrew Crotty received a Google Research Scholar Program Award.

Nadharm Dhantravan, **Joel Goh**, **Marko Veljanovski**, and **Garrett Weil** received honorable mentions in the CRA 2023-2024 Outstanding Undergraduate Researcher Award competition.

Elena Fabian ('24) is a member of the inaugural class of Berkeley Innovation Scholars at Berkeley Law.

Nikos Hardavellas was named a Future CRA Leader.

PhD student **Monisola Jayeoba** was awarded an AAUW International Fellowship.

A team including **Manling Li** won an Outstanding Paper Award at ACL 2024.

PhD students **Taylor Olson** and **Lixu Wang** were awarded IBM PhD Fellowships.

Uri Wilensky was elected to the American Academy of Arts and Sciences.

Marcelo Worsley has been named a research fellow with the Jacobs Foundation.

A team led by **Xinyu Xing** and **Yan Chen** is advancing to the final competition of the DARPA and ARPA-H AI Cyber Challenge.

