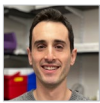


Technical excellence. Whole-brain thinking. Highly interdisciplinary work.

We are driven to push the boundaries of the field with exceptional work in programming languages, machine learning, robotics, network security, computer science theory, artificial intelligence, computational imaging, human-computer interaction, high-performance computing, networking, algorithms, mechanism design, and personalized education.

New Faculty

Jointly Appointed Faculty



Sam Kriegman (CS+*chemical and biological engineering and mechanical engineering*) automated design and manufacture of mechanical, chemical, and biological robots



Miklos Z. Racz (CS+*statistics*) probability, statistics, computer science, and information theory

Core Tenure-track CS Faculty



Andrew Crotty design of systems for large-scale data analytics and data science

Clinical Faculty



Andrew Fano Codirector of Northwestern's Kellogg School of Management and McCormick School of Engineering MBAi program

Faculty of Instruction



Joseph Hummel programming languages, high-performance computing



Zach Wood-Doughty natural language processing methods

By the Numbers

Faculty: 42 tenure track, 11 faculty of instruction, one clinical faculty member, 21 affiliated faculty

Undergraduate Students: 980 majors, 203 minors

Graduate Students: 125 PhD and 215 MS

Enrollment: 9,564

(Academic year 2022-23)

Research Institutes

In collaboration with the UL Research Institutes' Digital Intelligence Safety Research Institute, the [Center for Advancing Safety of Machine Intelligence \(CASMI\)](#) is establishing best practices for the evaluation, design, and development of machine intelligence that is safe, equitable, and beneficial.

The [Institute for Data, Econometrics, Algorithms, and Learning \(IDEAL\)](#) received a five-year, \$10 million NSF Phase II award to advance the theoretical foundations of data science.

Diversity Initiatives

Northwestern CS PhD student **Mara Ulloa** and **Professor Maia Jacobs** received a **Social Justice Mini Grant** from Northwestern's Office of Diversity and Inclusion to support a coding education project with the volunteer-run nonprofit We All Code.

[Code'n'Color](#), a group supporting Black, Indigenous, and Latinx students and faculty in CS, won a **Social Justice Mini Grant** to expand outreach to undergraduate students.

Northwestern CS and the YWCA Evanston/ North Shore were awarded a **2022 Racial Equity and Community Partnership grant** from Northwestern's Office of Neighborhood and Community Relations to support the [YW Tech Lab](#) economic empowerment training program.

Our **DEI committee members supported more than 60 Northwestern CS students** in the Grace Hopper Celebration of Women in Computing, and the Richard Tapia Celebration of Diversity in Computing Conference.

CS+X Connections

CS+X Interdisciplinary researchers across Northwestern are leaders in the emerging fields of [CS+Economics](#) and [CS+Law](#).

The new **Future of Health and Computing Collective** aims to bridge the fields of health and computing.

A **CS+Mechanical Engineering** workshop seeks to build on the strong collaboration in robotics by expanding into areas of manufacturing and design.

The [Design, Technology, and Research \(DTR\) program](#) is a fast-paced, multiple-quarter course structured around self-directed student research projects.

Awards

The Northwestern CS community is [recognized](#) for their accomplishments in research, education, and mentorship.

Jason Hartline won a 2022 ESA Test of Time Award.

Professors **Josiah Hester**, **Annie Liang**, **Zhaoran Wang**, and **Xinyu Xing** received NSF CAREER awards.

Aggelos Katsaggelos was elevated to an IEEE Life Fellow member.

PhD student **Jacob Kelter** received the 2022 Northwestern University Presidential Fellowship.

PhD student **Ryan Louie** was selected as a 2022 Google Fellow in Human Computer Interaction.

Uri Wilensky was elected to the National Academy of Education.

Xinyu Xing received an Amazon Science Research Award.