UNIVERSITY OF MARYLAND 1856

DEPARTMENT OF COMPUTER SCIENCE

16TH
IN THE NATION
BEST GRADUATE PROGRAMS
U.S News & World Report, 2025

FACULTY
- 67 Tenured/tenure-track
- 26 Research/instructional
- 56 Affiliate/adjunct

FACULTY FELLOWS
- 20 ACM
- 20 IEEE
- 10 AAAS
- 7 AAAI
- 3 SIAM

STUDENTS
- 4258 Undergraduate students
- 600 Graduate students

STUDENT PROGRAMS
- University of Maryland Computing Catalyst
- Mokhtarzada Hatchery
- ACM International Collegiate Programming Contest
- Advanced Cybersecurity Experience for Students (ACES)
- Bitcamp and Technica Hackathons

WORLDWIDE LEADERS IN CS RESEARCH

10TH
ON
CSRANKINGS.ORG

MOST POPULAR UNDERGRADUATE MAJOR ON CAMPUS

OVER 10,000 ALUMNI

CHAIR OF COMPUTER SCIENCE

Elizabeth Iribe Chair for Innovation & Phillip H. and Catherine C. Horvitz Professor of Computer Science
Matthias Zwicker

UNDERGRADUATE MAJORS AND SPECIALIZATIONS

B.S. in Computer Science with Specializations in:
- Cybersecurity
- Data Science
- Machine Learning
- Quantum Information

B.S. and B.A. in Immersive Media Design

OVER $30 MILLION
ANNUAL SPONSORED RESEARCH FUNDING
FOR COMPUTER SCIENCE & UMIACS

RESEARCH AREAS
- Algorithms and Theory
- Artificial Intelligence and Robotics
- Bioinformatics and Computational Biology
- Computer Vision and Machine Perception
- Cybersecurity and Cryptography
- Databases and Big Data
- Graphics, Visualization, and Virtual/Augmented Reality
- High-Performance and Scientific Computing
- Human-Computer Interaction
- Information Retrieval and Geographic Information Systems
- Internet-of-Things and Wearable Technology
- Machine Learning and Data Science
- Natural Language Processing
- Programming Languages and Software Engineering
- Quantum Computing
- Systems and Networking

RESEARCH CENTERS
- Artificial Intelligence Interdisciplinary Institute at Maryland
- Center for Bioinformatics and Computational Biology
- Center for Automation Research
- Center for Machine Learning
- Computational Linguistics and Information Processing at Maryland
- Human-Computer Interaction Laboratory
- Institute for Systems Research
- Institute for Trustworthy AI in Law & Society
- Joint Center for Quantum Information and Computer Science
- Maryland Cybersecurity Center
- University of Maryland Institute for Advanced Computer Studies

Hear from Our Students
Emily Mathew - I4C Ambassador, Break Through Tech
Astrid Tagne - RESET Sc...
...andini Shah / Anan... - AWC
...ary Redpath - Te...
...Mia Ndousse-Fette...
...mas Haileg... ...olarship (Afr...

COMPUTING CATALYST

IMPACT

Nearly **800 University of Maryland students** and **400 local middle and high school students** participated in Computing Catalyst programs during academic year 2024-2025.

In 2024-2025, the Catalyst's current student programs saw a **26% increase in respondents' sense of belonging** in computing.

LEARN MORE: catalyst.umd.edu

The Computing Catalyst cultivates an inclusive computing community at the University of Maryland.

A unit in the Department of Computer Science with support from the University of Maryland Institute for Advanced Computer Studies and the College of Information, the Catalyst is a team of full-time staff, graduate assistants and student staff. The organization supports all UMD computing majors and local K-12 students through mentoring, scholarships, professional development, and community-building programs.

Break Through Tech DC at UMD, a national initiative committed to increasing gender equality in tech, is also housed within the Catalyst.

BREAK THROUGH TECH
DC

CORPORATE PARTNERS IN COMPUTING

The **Corporate Partners in Computing Program** (CPIC) fosters close working relationships between the Department of Computer Science, the University of Maryland Institute for Advanced Computer Studies, and industry leaders. CPIC offers exclusive opportunities for collaboration in research, education, and undergraduate and graduate student development. Partners benefit with invitations to special events, research previews, student recruitment opportunities, and corporate recognition.

LEARN MORE:
cs.umd.edu/community/partners

GIGA PARTNER

tenable

MEGA PARTNERS

Capital One   CoStar Group

INTUIT   leidos

KILO PARTNERS

appian   Bloomberg   CIPHER TECH SOLUTIONS

GEORGETOWN SOFTWARE HOUSE   Google   Humana

L3HARRIS   LOCKHEED MARTIN   NAVAL NUCLEAR LABORATORY

Sandia National Laboratories   Peraton   Qualcomm

T. Rowe Price