cs.umd.edu

DEPARTMENT OF COMPUTER SCIENCE

FACT SHEET
Fall 2023

17TH IN THE NATION
BEST GRADUATE PROGRAMS
U.S News & World Report, 2023

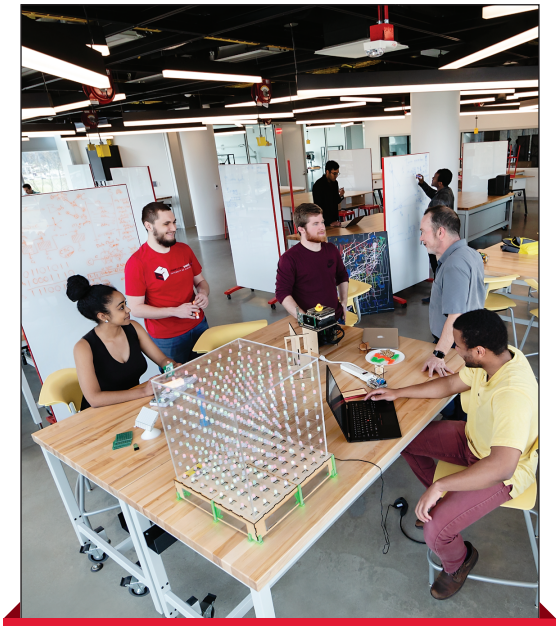
FACULTY
63 Tenured/tenure-track
25 Research/instructional
49 Affiliate/adjunct

FACULTY FELLOWS
21 ACM
18 IEEE
10 AAAS
7 AAAI
3 SIAM

STUDENTS
3800 Undergraduate students
437 Graduate students

STUDENT PROGRAMS
- Iribe Initiative for Inclusion and Diversity in Computing
- Mokhtarzada Hatchery
- ACM International Collegiate Programming Contest
- Advanced Cybersecurity Experience for Students (ACES)
- Bitcamp and Technica Hackathons

WORLDWIDE LEADERS IN CS RESEARCH
12TH NATIONALLY*
16TH WORLDWIDE*
11TH ON CSRANKINGS.ORG
**based on guide2research.com h-index and DBLP values*



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

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
- 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

IRIBE INITIATIVE FOR
INCLUSION & DIVERSITY IN COMPUTING

IMPACT

*Over **2,700 K-12 students and educators** and over **1,200 UMD students** directly engaged with I4C programming between June 2022 and May 2023 through support from our many partners.*

80%

***Over 80%** of all students served are from populations underrepresented in computing.*

LEARN MORE: inclusion.cs.umd.edu

The Iribe Initiative for Inclusion and Diversity in Computing (I4C) aims to create a supportive, vibrant and inclusive community of students, educators and researchers coming together to increase the involvement—and success—of all individuals from historically marginalized populations in computing.

I4C delivers on this vision by hosting a wide variety of current student programming including mentoring, tutoring, community building, and student support—as well as K-12 outreach.

Break Through Tech DC at UMD, a national initiative committed to increasing gender equality in tech, is also housed within I4C.

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**

GOVERNMENT COLLABORATIONS

Computer Science faculty members and students also collaborate with government agencies and research labs in the area, including the Federal Communications Commission, NASA's Goddard Space Flight Center, the National Institutes of Health, the National Institute of Standards and Technology, the U.S. Army Research Laboratory, and the National Security Agency.

MEGA PARTNERS

AARP
Google
Arthur
leidos
Capital One
tenable
CoStar Group™