Department of Computer Science

Franklin College of Arts and Sciences
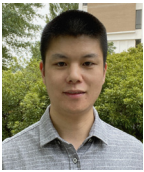
UNIVERSITY OF GEORGIA

cs.uga.edu

DEPARTMENT OVERVIEW

This is an exciting year for the Department of Computer Science at UGA. The department offers the B.S., M.S. with thesis and non-thesis options, M.S. in Cyber Security and Privacy, and Ph.D. degrees in Computer Science. The department also offers two Double Dawgs programs: B.S. in CS / M.S. in CS and B.S. in CS / M.S. in AI. The two programs currently have 44 students. Our undergraduate enrollment increased from 588 in Fall 2014 to 1,155 in Fall 2020. In addition, the department has more than 200 undergraduate minors. At the graduate level, our Fall 2019 enrollment exceeded 195 students. In Fall 2019, the Departments of Computer Science and Statistics began jointly offering a B.S. in Data Science. The program currently has 54 students. Last year, the department hired two new tenure-track faculty members in the areas of AI Security and System Security.

NEW HIRES

Chenglin Miao, Assistant Professor, received his Ph.D. from the Department of Computer Science and Engineering at the State University of New York at Buffalo in 2020. His research interests lie in the areas of Internet of Things (IoT) and Cyber Security, with a current focus on the security and privacy aspects of wireless, mobile, and crowd sensing systems. His research work has been published in various top venues such as MobiCom, SenSys, MobiHoc, INFOCOM, ICDCS, WWW, KDD, IJCAI, TPDS, and TOSN.

Mustakimur Rahman Khandaker, Assistant Professor, received his Ph.D. from the Department of Computer Science at Florida State University (FSU) in 2020. His research interests span the fields of cybersecurity, software engineering, compiler, operating system, architecture, and machine learning. His security researches have appeared in USENIX security, EuroS&P, ASPLOS (to appear), ASIA CCS, and RAID. He is also a shadow PC member of IEEE Security & Privacy 2020 and a journal peer-reviewer.

RESEARCH

During 2019, the department had a very successful year in terms of external funding. Drs. Prashant Doshi, Krzysztof Kochut, Jaewoo Lee, Kyu Hyung Lee, Sheng Li, Tianming Liu, and Shannon Quinn were each awarded significant grants from sources such as NSF, NIH, and Adobe.

ACHIEVEMENTS

Dr. Jaewoo Lee received a 5-year Career Award from NSF for the proposal titled: "**CAREER: Robust Adaptive Optimization Algorithms for Differentially Private Learning.**"

Dr. Roberto Perdisci was appointed to the Patty and D.R. Grimes Distinguished Professorship in Computer Science in August 2020.

Dr. Roberto Perdisci was appointed as the director of the Institute for Cybersecurity and Privacy (ICSP) in September 2020.

Dr. Sheng Li received the **2020 Aharon Katzir Young Investigator Award** for his work in the field of neural networks.

Undergraduate student, Angela Tsao, has been named a 2020 Udall Scholar. She is working to advance research at the intersection of computer science and sustainability.