Department of Computer Science

Franklin College of Arts and Sciences

UNIVERSITY OF GEORGIA

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DEPARTMENT OVERVIEW

This year is an exciting year for our department. The department offers the BS, MS with thesis and non-thesis options, and PhD degrees in Computer Science. The number of our undergraduate enrollments increased from 588 in fall 2014 to 1,158 in fall 2019 (an increase of 97%). Also, the department has close to 250 minors. At the graduate level, enrollment exceeded 195 graduate students.

In fall 2019, the department jointly with the Statistics Department is offering a BS in Applied Data Science. In the last two years, the department has hired five new tenure-track faculty members in the areas of: Computational Science and high performance computing, machine learning, robotics, and two in cybersecurity. In addition, the department has hired three lecturers include Dr. Marzieh Ahmadzadeh, Sal LaMarca, and Dr. Hao Peng.
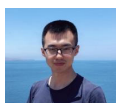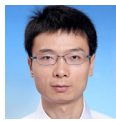
NEWLY HIRED FACULTY

Dr. Ramviyas Nattanmai Parasuraman, Assistant Professor. He received his PhD from Technical University of Madrid, Spain in 2016. His research primarily deals with the challenges of networked and distributed robotics. He is interested in bridging the field of machine learning and robotics.

Dr. In Kee Kim, Assistant Professor. He received his PhD in Computer Science from the University of Virginia in 2018. His research areas include cloud computing, distributed systems, IoT/edge, and machine learning systems. The current focus is resource management for emerging cloud infrastructure systems. e.g., serverless and container orchestration.

Dr. Sheng Li, Assistant Professor. He received his PhD in Computer Engineering from the Northeastern University in 2017, and worked as a Data Scientist at Adobe Research from 2017 to 2018. His research interests include machine learning with applications to data mining, computer vision, natural language processing and causal inference.

Dr. Le Guan, Assistant Professor. He received his PhD from the University of Chinese Academy of Sciences in 2015. His research interests cover a wide range of systems security, including mobile security and IoT systems security. He is especially interested in leveraging COTS hardware components/features to design and build systems that are more reliable and secure than solutions based on software alone.

Dr. Wenwen Wang, Assistant Professor. He earned his PhD from the University of Chinese Academy of Sciences in 2014. His research interests have spanned a wide spectrum of issues in computer systems that cut across computer architectures, operating systems, compilers, runtimes, and security.

RECENTLY AWARDED GRANTS

Dr. Shannon Quinn received a 5-year CAREER grant from NSF for the proposal titled: "CAREER: ABI-Innovation: CiliaWeb: Integrated platform for foundational and reproducible ciliary beat pattern analysis."

Professor Yi Hong received a 2-year NSF grant for the proposal titled: "CRII: SCH: Analysis of Population-Based Image Metamorphosis."

Professors Prashant Doshi (PI) and Kyu Lee (Co-PI) received a 3-year U.S. Army research grant for the proposal titled: "A Framework for Asymmetric Information Interactions among (Cyber) Defenders and Attackers." Professor Prashant Doshi received a 3-year NSF grant for the proposal titled: "Tractable Decision-Theoretic Planning Driven by Data." Professor Prashant Doshi and Professot Yi Hong received a 3 year NSF grant for the proposal titled: "Robust Inverse Learning for Human-Robot." Prof. Prashant Doshi in collaboration with Profs. Adam Eck of Oberlin College and LeenKiat Soh of University of Nebraska at Lincoln received a three-year NSF grant in AI.

Dr. Kyu Hyung Lee for received a 3-year NSF grant for the proposal titled: "OAC Core: Small: Collaborative Research: Data Provenance Infrastructure towards Robust and Reliable Data Sharing and Analytics, 3-years, PI Kyu Hyung Lee." Dr. Kyu Hyung Lee received a 4-year NSF grant for the proposal titled: "SaTC: CORE: Medium: Collaborative: Doctor WHO: Investigation and Prevention of Online Content Management System Abuse."

CS STUDENTS WIN FIRST PLACE AT ASA DATAFEST AT EMORY!

Five undergraduate students from the Computer Science Department: Anna Gann, Mina Jeong, Michael Hearn, Andrew Palmer, and Hend Rasheed who won first place in "Data Visualization" at the (ASA) DataFest at Emory competition. The team was accompanied by CS faculty member, Dr. Delaram Yazdansepas. ASA DataFest is an annual competition in which student teams work to reveal insights from a large and rich data set provided by a real client.