

Computer Science Department

Henson School of Science and Technology

MAJOR

- Computer Science with three focuses:
 - Software Engineering
 - Computer Network & Cyber Security
 - Foundation, Theorem & Artificial Intelligence

MINOR

- Computer Science

Our Program

Our undergraduates obtain solid education in the rapidly developing field of computer science and are well-prepared for careers in the real world. Our comprehensive curriculum offers a diverse range of courses:

- Programming Languages, System Programming, Operating Systems, Database Design & Implementation, Software Engineering
- Artificial Intelligence, Machine Learning
- Computer Networks & Computer Security
- Robotics & Computer Architecture
- High-Performance Computing, Computer Graphics, OO Design, GUI & Event-Driven Programming

Computing Facilities

- Three computer labs for teaching/research: Henson High-Performance Computing Lab (HPCL) equipped with 34 Linux stations configured for computing intensive jobs across multiple machines as a cluster, with multiple GPUs/CPUs; 32-station teaching lab with Windows/Linux dual system; 10-station general purpose lab connected to HPCL with Linux.
- REAL Robotics lab located off campus is equipped 3D printers, robots and drones and open to all SU students.
- Cyber security lab is a six-seat secure computer lab for penetration testing, hackathons, capturing-the-flag events and other cyber security-related exercises.

CAREER OPPORTUNITIES

Many opportunities exist for people with a computer science degree and strong problem-solving and communication skills. Here are some career paths for our students:

- Software and web developer, front-end/back-end engineer, QA analysts, testers, cloud engineer, database administrator
- Security analyst, network and security engineer, security consultant, penetration tester;
- AI specialist/developer, machine learning engineer/specialist, data science specialist, machine learning researcher;
- Entrepreneurship

Some of our graduates also attend graduate schools. They continue to earn advanced degrees in different specialization.

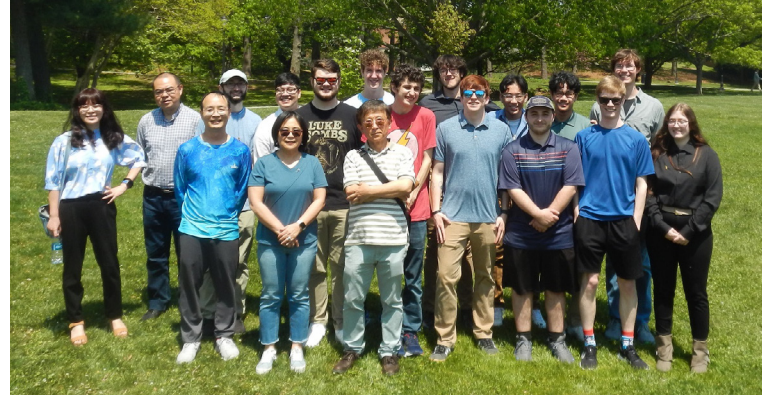
Internship Program

To enhance classroom learning, our internship program provides an academically coordinated professional experience in which students work in private sectors, government agencies and non-profit organizations and use their computer science skills to solve real world problems and earn credits (COSC 380) to their degree.

Undergraduate Research

Our faculty members are actively involved in research projects. We offer a variety of undergraduate research opportunities and sponsor our students to attend national undergraduate research conferences. Here are some opportunities available:

- NSF REU EXERCISE (Explore Emerging Computing in Science



and Engineering) has been hosted in our department since 2012.

- Salisbury University, Henson School and individual faculty members provide grant to sponsor student research projects all year round.
- Undergraduate Research Course (COSC 390) is designed for students to conduct research with professors and earn credits toward their degrees.
- Departmental Honors Thesis

Student Club & Honors Society

- Math and Computer Science Student Club
- Cyber Security Club
- REAL Robotics Club
- Women in STEM Club
- SU Chapter of UPE

Tutoring and Lab Assistants

The department offers tutoring and lab assistant program to support student learning in all level courses.



FACULTY AND STAFF

Chair & Associate Professor

- Sang-Eon Park, Ph.D.
University of Cincinnati

Professor

- Enyue (Annie) Lu, Ph.D.
University of Texas at Dallas
- Xiaohong (Sophie) Wang, Ph.D.
University of Victoria

Associate Professors

- Giulia Franchi, Ph.D.
University of Rome
- Yaping Jing, Ph.D.
Iowa State University

Assistant Professors

- Junyi Tu, Ph.D.
(Associate Chair)
University of South Florida
- Shuangquan (Peter) Wang Ph.D.
College of William & Mary

Lecturers

- Jungho An, B.Sc.,
Salisbury University (part-time)
- Justin Conklin, B.Sc.,
Salisbury University (part-time)
- Andrew Thompson, M.Sc.,
Salisbury University (part-time)
- Soeun You, Ph.D.
Florida State University

FOR MORE INFORMATION

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