Computer Scientists can design software and computer programs, as well as many aspects of hardware and architecture for the large computer systems that form the infrastructure of commercial and government enterprises. Computer Scientists work in many different ways: theoretical work on foundations and fundamentals of coding, designing software and computer programs, programming, and collaborative teamwork to complete research and troubleshoot issues.

**KEY SKILLS & SAMPLE JOBS**

- Analyze and problem solve within constraints
- High-level programming and algorithm design
- Identify and understand patterns
- Organize and manage complex data
- Present projects and information logically
- Train and collaborate with others

**Sample Job Titles:** Computer Scientist, Computer Systems Analyst, Software Engineer, Web Developer

**COMPUTER SCIENCE DEPARTMENT**

- 15 full-time faculty
- $3.7 million annual research expenditures
- 1 National Cyber Security Hall of Fame inductee for developing the first regularly offered university course on computer security

**DEPARTMENT ENROLLMENT**

- 187 undergraduate
- 445 graduate

**RESEARCH AREAS**

- Algorithms and Theory
- Artificial Intelligence and Robotics
- Bioinformatics and Biomedical Computing
- Computer Security and Information Assurance
- Data Science
- Digital Media
- Networking and Mobile Computing
- Pervasive Computing and Embedded Systems
- Software Engineering and Systems

**2018 CAREER OUTCOMES**

- 92% of SEAS students were satisfied with the career programs and services
- 86% of computer science seniors were employed or enrolled in graduate school within 6 months
- $76,500 median salary for computer science undergraduates
- 44% of SEAS graduate students earned a salary of $100,000 or more

**EMPLOYERS WHO HAVE HIRED GW STUDENTS**

- Amazon
- Capital One
- Facebook
- Google
- Leidos
- Microsoft
- VMware
- U.S. Federal Bureau of Investigation (FBI)

W. SCOTT AMEY CAREER SERVICES CENTER
careers.seas.gwu.edu
seascareers@gwu.edu