

College of Arts and Sciences

Applied Computer Programming

Industries

- software development firms
- tech startups
- SaaS (software as a service) companies
- software consulting
- banks and investment firms
- financial technology companies
- insurance firms and credit institutions
- hospitals and healthcare providers
- biotech and medical device manufacturers
- telehealth companies
- telecom providers
- Internet service providers
- networking equipment manufacturers
- infrastructure companies
- cybersecurity firms
- defense contractors
- government agencies and intelligence organizations
- video game studios and entertainment companies
- AR/VR companies
- AI and ML research firms
- e-commerce, retail chains, and consumer goods companies
- IT consulting firms

Job Titles

- application developer
- mobile app developer
- web developer
- systems programmer
- network engineer
- DevOps engineer
- database administrator
- data analyst
- data engineer
- information security analyst
- ethical hacker
- security software developer
- game programmer
- graphics programmer
- machine learning engineer
- AI programmer
- natural language processing (NLP) developer
- embedded software engineer
- IoT developer
- firmware engineer
- technical product manager
- Scrum Master or Agile Coach
- IT consultant
- technical support engineer
- solutions architect

Professional Organizations

- Association for Computing Machinery (ACM)
- The Computing Research Association (CRA)
- Python Software Foundation (PSF)
- Association for Information Systems (AIS)
- Code for America
- Black Code Collective (BCC)
- Game Developers Conference (GDC)