What can I do with my Computer Science concentration?

This resource guide is intended to introduce individuals to computer science-related occupations and job titles as well as career research resources. It is by no means comprehensive, nor intended to replace individual research based on specific job targets and/or Career Coaching recommendations. Some occupations may require certifications and/or an advanced degree.

Bioinformatics

- Computational Biologist
- Software Developer
- Bioinformaticist
- Bioinformatics Scientist
- Bioinformatics Data Specialist
- Statistical Analyst
- Data Engineer
- Analytics Manager

AI, Robotics and Gaming

- Machine Learning Engineer
- Data Scientist
- Software Developer
- Systems Engineer
- Technical Architect
- Robotics Engineer
- .Net Developer
- Game Test Engineer
- Gaming Digital Artist

Data Science

- Data Analyst
- Data Architect
- Data Scientist
- Information Officer
- Business Intelligence Developer
- Machine Learning Scientist
- Statistician
- Analytics Manager
- Full Stack Developer

Software, Systems and Networks

- Software Developer
- Applications Manager
- Systems Administrator
- Software Engineer
- Automation Engineer
- Information Technology Specialist
- Quality Assurance Tester
- Software Analyst

Cybersecurity

- Cyber Security Analyst
- Cybersecurity Architect
- Cyber Security Pen Tester
- Vulnerability Analyst
- Cloud Cyber Security Operations Engineer
- Software Developer
- Systems Administrator
- Cyber Security and Big Data Architect

Human-Computer Interaction

- User Researcher
- Experience Designer
- Machine Learning Scientist
- Human Computer Interaction Scientist
- User Interface Architect
- Behavioral Scientist
- UX/UI Designer
- Information Architect
- Software Developer
- Web and Graphic Designer

Information Technology

- Network Administrator
- Information Security Analyst
- Computer Systems Analyst
- Research Scientist
- Web Developer
- Computer Programmer
- Software Developer
- Network Architect
- Project/Product Consultant

Software Engineering

- Software Developer
- Software Engineer
- Business Information Analyst
- Web Developer
- Computer Systems Analyst
- Database Administrator
- Mobile Application Developer
- Quality Assurance Engineer
- Applications Architect

Web and Mobile Applications

- Mobile Applications Developer
- Mobile App/Web Programmer
- Full Stack Developer
- UI/UX Designer
- .Net Web Developer
- Front-End JavaScript Engineer
- Software Developer
- Software Engineer
- Software Architect

ACTION STEPS TO CONSIDER:

☐ Research careers - Google, O*NET (onetonline.org), Occupational Outlook Handbook (bls.gov/ooh/), etc.

☐ Connect with individuals who you already know and explore alumni through UNC Charlotte's Alumni Portal on LinkedIn (see page 28 in the Career Guide at **career.uncc.edu**)

☐ Set up an informational interview with 2-3 individuals who work in a career of interest (see page 12 in the Career Guide)

☐ Join a campus organization (**ninerengage.uncc.edu**) and explore additional associations and organizations

☐ Discover on-campus opportunities where you can grow in your career competencies (**careersuccess.uncc.edu**)

☐ Explore jobs and internships using Hire-A-Niner (**hireaniner.uncc.edu**), LinkedIn, Dice.com, etc.