

# Internship and Career Services Industry Guide: Computer Science & Information Technology

## OVERVIEW

The field of computer science (CS) and information technology (IT) consistently invents, designs, and repurposes technology to solve complex problems in computing for business, science, medicine, and others. Computer science is the scientific and practical approach to the computation and design of systems. Information technology is the design, development, application, implementation, support, or management of computer-based information systems. Although having a degree in CS or a degree in IT may seem similar, there are different skills and career opportunities associated with each:

*Information Technology:* The application of computer programs to solve business processes. An employee in this industry will most likely have a significant amount of interaction with others – whether in person, over the phone, or via email – while helping solve problems.

*Computer Science:* The process of creating usable computer programs and applications and the theories behind those processes. An employee in this industry will most likely work fairly independently while applying complex algorithms and writing code.

## CAREER PATHS IN CS & IT


There's no doubt in your mind—you want to work in the exciting world of technology! And with the optimistic job growth and exciting earning potential, who could blame you? Below are a few examples of potential career paths to explore:

Computer Scientist	Software Engineer	Video Game Designers	Health Information Specialist	Computer Security Specialist	Document Management Specialist
Network Administrator	Computer Programmer	Computer & IS Manager	Technical Support Specialist	Analyst Network Systems, Quality Assurance	Robotics Engineer
Software Developer	Web Developer	Computer Systems Analyst	IT Consultant	Database Administrator	Mapping Technician

## GET YOUR FOOT IN THE DOOR

Having career-relevant work experience on your resume will give you a big head start when it comes time to land your post-grad dream job in the field of CS or IT. Indiana is leading a tech transformation in the Midwest, with an impressive portfolio of tech companies emerging in Central Indiana. For recent graduates, this is an ideal time to get in on the ground floor of this growth spurt!

[Join A Student Group:](#) With over 150 student organizations at Butler, there is something for



everyone, especially for student's interested in technology (Association for Computing Machinery, Management Information Systems and Technology Association, American Society of Information Science and Technology (off campus club), etc.).

Apply for Internships: If you're still a student or just out of college, an internship can provide the relevant experience you need for your tech job search. Research organizations you're interested in and find out if they offer internships or unpaid work experience. Many IT companies have well established internship programs which offer students a great opportunity to become a part of an elite pool of talent.

Research Specialized Job Boards: In addition to general career sites, there are online job board resources that are more specific to the tech field (Dice.com, crunchboard.com, angel.co, etc.).

Explore Entry Level Openings: With limited experience and skills (but limitless enthusiasm), you're looking at an entry level, foot-in-the-door job, not an executive level position. Your goal should be to gain the skills, knowledge, and experience that will help prepare you for higher level roles. Research local tech companies and/or IT start-ups and discover what types of entry level positions they have available.

Make the Right Connections: As with any field, networking is an essential way to get your name in front of the professionals who can take your career to the next level. Connect to alumni and current professional in CS & IT and let them know of your interest in moving into a career in the tech space. Set up a professional profile on a site like LinkedIn and actively promote yourself, reaching out to leaders at companies you're interested in working for. Explore professional IT networking events that put prospective employers in touch with potential new hires.

## Online Resources

[Butler University Computer Science Internships](#)

[Butler University Computer Science Student Resources](#)

[Butler University Computer Science Career Planning](#)

[Internship & Career Services: Guide to Professional Success PDF](#)

[Finding A Computer Science Job \(computerscience.org\)](#)

[Best Tech Job Boards \(careersidekick.com\)](#)

[Get a Job at a IT Startup \(angel.co\)](#)

[TechPoint – Indiana \(techpoint.org\)](#)

[10 Best Tech Startups in Indianapolis \(thetechtribune.com\)](#)

[Indy's Tech Scene Article \(blog.g2crowd.com\)](#)

[Indiana CS & IT Internships \(indianaintern.net\)](#)

[6 Ways to Gain the IT Experience Employers Are Looking For \(rasmussen.edu\)](#)

[6 Entry Level IT Jobs To Start Your Career \(monster.com/career-advice\)](#)

[IT Internships \(internships.com/it\)](#)

**BUTLER**

INTERNSHIP *and*  
CAREER SERVICES

<https://www.butler.edu/ics>

**BUTLER**  
UNIVERSITY