

What you can do with your Computer Science major



As a Computer Science or Applied Computing major, you will study programming languages, software development, network architecture, complex problem solving and solution design. With this major, you have tremendous technology-based career path options, including video game development, database administration, cloud computing engineering, artificial intelligence engineering, front-end and react native developers, vulnerability analyst, and more. Continuing education and learning in the field will be required to stay current on emerging technical advances.

According to the [Bureau of Labor Statistics](#), those who majored in Computing can expect employment in those areas to grow 15% from 2021 to 2031, much faster than the average for all occupations. Demand for computer and information systems managers (and related personnel) will escalate as firms increasingly expand digital platform operations, grow web-based commerce, integrate artificial intelligence, and bolster cybersecurity in computer and information systems used by all industries.

Essential Skills & Characteristics to develop and highlight:

- | | |
|---|---|
|  Critical thinking |  Data integration |
|  Information literacy |  Current/broad programming knowledge |
|  Attention to detail and organization |  Project management |
|  Communication and interpersonal skills |  Technical writing |

How To Get Started:

- | | |
|--|--|
| <input type="checkbox"/> Assess your personal strengths & preferences | <input type="checkbox"/> Get an internship/relevant work experience |
| <input type="checkbox"/> Research opportunities: online/in-person | <input type="checkbox"/> Join a computer science organization |
| <input type="checkbox"/> Expand your computer science & technical network and professional brand | <input type="checkbox"/> Connect with professionals through career conversations & job shadowing |

Chart Your Path Forward with the [Career Success Center](#)

[Activate Your Handshake Account](#)

for events, coaching appointments and connections to jobs, internships, employer & alumni networking & more!
www.wcsu.edu/handshake

[Explore Career Communities](#)

to discover a wide variety of fields where you can turn your Computer Science major into success.

[Get Career & Internship Advising](#)

from the Career Success Center to make a plan, whether you're a first-year student or about to graduate

Put your Computing major to **WORK**

Common Alumni Job Titles:

- Computer Programmer
- Network Technology
- Software Designer
- Technical Support
- Systems Analyst
- Systems Developer
- Educator
- Research Scientist
- Web Developer
- Network Architect

Employers of Computing Majors

- The Travelers
- IBM
- PepsiCo
- The Hartford
- Oracle
- FactSet
- United Health Group
- Network Support Company
- Yale New Haven Hospital
- WCSU

Recent Computing Alumni

Employment Sector

30 %	Professional, Scientific and Tech Services
14 %	Accommodations and Food Services
11 %	Manufacturing
8 %	Administrative and Support
7 %	Construction
7 %	Health Care and Social Assistance
6 %	Management
5 %	Arts, Entertainment and Recreation

Live & Work

51 %	Connecticut
17 %	Middle Atlantic
12 %	South Atlantic
6 %	West South Central
6 %	East South Central
4 %	New England Balance
3 %	Pacific
2 %	East North Central



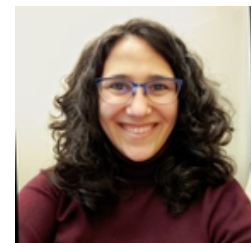
[Sebastian Orellana](#)

B.S. in Computer Science, Class of 2017
and Mathematics (2018)
Frontend Web Developer - HBO Max,
Warner Bros., Discovery

"Computer Science has taught me the valuable skill of asking better, more precise questions. Many problems don't have an easy or straightforward solution. Coworkers and bosses will thank you for asking clarifying questions because at the end of the day, you are on the same team and your goal is to provide the best product in the market."

Informational & Job Websites

- <https://wcsu.joinhandshake.com/login>
- <http://www.computerjobs.com/us/en/IT-jobs/>
- <https://www.computerwork.com/us/en/IT-jobs/>
- <http://www.careercornerstone.org/compsci/compsci.htm>
- <http://www.computerscienceonline.org/>
- <http://www.ct.org/>
- <https://www.comptia.org/>
- <http://www.computer.org/portal/web/guest/home>
- <https://techcrunch.com/>
- <https://www.witi.com/>
- <http://www.stc.org/>
- <http://www.napusa.org/>
- <http://www.acm.org/>
- <https://www.asist.org/>



[Stephanie Spinetti](#)

B.S. in Computer Science, Class of 2010
Associate Director, Data Engineering at Kyndryl

"My CS major gave me the technical exposure and the skills to find success in the enterprise IT world. It instilled in me a curiosity to explore new topics and research and leverage emerging technologies, capitalize on new opportunities, and be effective from the get-go, setting me apart from others in my field. I am confident that I will stay competitive in an ever-changing technical landscape."

Career Communities for Computing Majors

The Career Success Center has seven Career Communities to connect you with career advising, resources and programs. Here are a few suggestions on where Computer Science majors can start.

Not inspired by these options? Visit our website at www.wcsu.edu/careersuccess/career-communities/ to view more.

- [Technology, Environmental & Physical Sciences](#)
- [Government, Public Policy, Law and Non-Profit](#)
- [Financial, Business and Consulting Services](#)