



COMPUTER SCIENCE

TOP INDUSTRIES

1. Software & Computer Services
2. Financials
3. Retail
4. Consulting
5. Automobiles & Parts

SAMPLE JOB TITLES

- AI Engineer
- Application Developer
- Business Analyst
- Data Engineer
- Embedded Software Engineer
- Full Stack Developer
- Implementation Analyst
- Investment Banking Analyst
- Quantitative Trader
- Software Engineer
- Solutions Architect
- Technology Consultant

TOP HIRING COMPANIES

amazon

CapitalOne

JPMorganChase

Ford

SAMPLE HIRING COMPANIES

- Accenture
- Affirm
- Ally Financial
- Ansys
- Appian
- Apple
- Bank of America
- Bloomberg
- BNY Mellon
- Bosch
- Caterpillar
- Charles Schwab
- Cisco
- Coinbase
- Databricks
- Datadog
- Deloitte
- Domino's
- DraftKings
- Epic
- FactSet
- Geico
- General Motors
- Goldman Sachs
- Google
- Grainger
- IMC Trading
- Jane Street Capital
- KBR
- KLA
- LinkedIn
- Lockheed Martin
- MathWorks
- Meta
- Microsoft
- Nissan
- Northrop Grumman
- NVIDIA
- Optiver
- Palantir Tech
- Procter & Gamble
- Publicis Sapient
- PwC
- Qualcomm
- Roblox
- S-Docs
- Samsara
- ServiceNow
- Shade
- Siemens
- SpaceX
- Stripe
- Stryker
- Uber
- Vail Systems
- Vanguard
- Vectra AI
- Walmart
- Walmart Global Tech
- Whirlpool

**FULL TIME
STARTING
ANNUAL
SALARY**

**Average
\$111,135**

Min \$40,000
Med \$115,000
Max \$250,000

**INTERN
HOURLY
SALARY**

**Average
\$37.07**

Min \$12.50
Med \$33.65
Max \$160

COMPUTER SCIENCE

SAMPLE ELEVATOR PITCH

Hi, my name is [NAME] and I am currently a [YEAR] studying computer science at the University of Michigan.

I am currently enrolled in Data Structures and Algorithms, in which I have been introduced to priority queues. I have implemented priority queues in many different ways, such as with a linked-list and a binary tree. After implementing my own priority queues, I worked with them by creating a Zombie defense game.

On campus, I'm involved in the Society of Women Engineers as an outreach officer where I connect with young girls to introduce them to the concepts of engineering.

What interested me about your position is that I see it as a way to continue the growth of not only my technical skills, but also my communication skills, and I would love for you to tell me more about your opportunities.

KEY COURSES

EECS 281: Data Structures & Algorithms; required for almost all upper-level EECS courses; intro to algorithm analysis and O-notation; several programming assignments. *Prerequisites:* EECS 203 & EECS 280

EECS 400 level classes: Commonly referred to as upper levels, allows you to focus on further computer science development, such as Computer Security, Web Systems, Artificial Intelligence, and more.

Major Design Experience (MDE): Typically taken in the last year of CSE degree, this class allows you to focus even further on one topic in computer science by completing a course long project with a group.

SAMPLE IMPACT STATEMENT

Before: Wrote an API to make requests from the database

After: Coded an API using Python for users to post comments, retrieve other users that match certain criteria, and obtain posts in the most recent order

KEY SKILLS

C/C++, Java, Python: Coding languages

Javascript: Programming language used to make web pages interactive

Agile methodology: Type of project management process

Optimization: Recognizing runtime and space complexity of an algorithm that you/ someone else has written

SAMPLE EXTRACURRICULARS

Student Organizations: AborHacks, Wolverine Soft, HackBlue, Michigan Hackers, Eta Kappa Nu (Honor Society), Michigan Student Artificial Intelligence Laboratory (MSAIL), Girls in EECS (GEECS)

Design Teams: STARX, Michigan Autonomous Aerial Vehicles, M-Fly, Michigan Data Science Team

QUESTIONS?

Want to learn more information?

Contact us at: ecrc-info@umich.edu

Schedule an appointment: careerforge.com/login