

Cameron Davis

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Detail-oriented and passionate computer science major and embedded software engineer in his junior year searching for a challenging engineering internship. I'm eager to put my skills to work on a dynamic team and solve complex problems.

Work Experience

Software Engineering Intern

May 2023 - August 2023

Tensentric, Boulder, CO

- Developed multithreaded embedded software in C on the Zephyr Real Time Operating System, utilizing Bluetooth Low Energy (BLE) and the HID over GATT protocol.
- Implemented an alternative communication protocol on the intern project which achieved a 230% battery improvement and a 330% lower total unit cost over the previous prototype.
- Collaborated on an interdisciplinary team to code new medical device software under ISO 13485.
- Participated in client facing meetings to generate technical and system requirements.
- Developed a proof of concept user interface for a Class 3 medical device project in C# and Blazor.
- Partnered with senior and principal level software engineers on cross-functional teams.

Software Development Intern

November 2018 - February 2019

Colorado Maker Hub, Monument, CO

- Architected web scraping and data collection scripts to recruit members to the nonprofit organization.
- Manipulated large datasets in Jupyter Notebook to identify contact information from web data.
- Scrubbed and sorted HTTP response data with Pandas and Beautiful Soup.

Crew Member

May 2022 - December 2022

Jimmy Johns, Monument, CO

- Prioritized customer relations and satisfaction while delivering and taking orders.
- Entrusted with closing the store at night and preparing products for the next shift.

Education

- **University of Colorado at Boulder**, August 2021 - May 2025
B.S. in Computer Science, 3.6 GPA
Minor in Computer Engineering

Skills

- C, C# .NET, C++, Python, Bash, Java, NodeJS, SQL, Blazor, Git, Docker, Pandas, Multithreading, Sockets
- Object Oriented Programming (OOP), Functional Programming, Agile Design, Embedded Software
- GDB, Linux, Real Time Operating Systems (RTOS), Visual Studio, Documentation, Open-Source

Awards

- University of Colorado Boulder Esteemed Scholar
- Lewis Palmer High School Summa Cum Laude
- University of Colorado Boulder Dean's List - Fall 2022, Fall 2023

Extracurriculars

- **CyberPatriot - National Youth Cyber Education Program**, January 2017 - May 2020
 - Team Leader achieving the highest level of Platinum Qualification.