

TRAVIS BROWN

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OBJECTIVE

Computer Science student seeking Co-op position in software engineering from May 2025 through August 2025.

EDUCATION

Rochester Institute of Technology

Bachelor of Science in Computer Science
GPA: 3.94 2023 - 2028 (Expected)

Hudson Valley Community

College P-Tech Program
GPA: 4.0 2019 - 2023

TECHINICAL SKILLS

Languages

- Java
- C++
- Python
- C

Embedded

- Logic Analyzer
- SPI
- PWM
- STM32 MCUs
- ADC

Tools/Environments

- Git
- GitHub
- Linux

EMPLOYMENT

Spire Business, Inc.

Digital Content Asst. Jul 2024 - Present

Bj Wholesale Club

Sales Associate Jun - Aug 2023

Ridge Terrace Restaurant

Service Support Staff Jun - Aug 2021

EXPERIENCE

RIT Electric Vehicle Team

Embedded Software Engineer Sep 2023 - present

- Worked with a multidisciplinary team to develop C++ firmware for custom-designed PCBs built on top of the STM32 Hardware Abstraction Layer
- Implemented support for essential peripherals such as PWM, ADC, and SPI on the STM32F4xx series microcontroller, working closely with the HAL
- Used STM32's CubeMX and CubeIDE to generate rough code and converted it to work with EVT's hardware-agnostic API
- Used manufacturer datasheets to understand and utilize configuration registers properly
- Researched hardware peripheral implementations for PWM and ADC to facilitate debugging
- Utilized Kanban principles and methodology for efficient project management

Reporting MD, Sunapee NH

Internship Aug 2022

- Completed training on HIPAA compliance, Scrum methodology, and customer data reporting
- Gained exposure to various software development roles and technologies
- Acquired hands-on experience with SQL databases, flat file databases, and ETL processes
- Learned the basics of flat file databases and their applications
- Developed understanding of business logic and its application in coding practices