

David Wan

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Looking for Summer/Fall 2024 Internship | U.S Citizen

EDUCATION

Rochester Institute of Technology | Rochester, NY

August 2020 - May 2025

Bachelor of Science in Computer Engineering Technology

GPA: 3.36

Related Coursework: Digital Systems Design (VHDL), Digital System Processing, Signals Systems & Transforms, Hardware Description Language (VHDL), Microcontroller Systems (C), DC/AC Circuits, Computational Problem Solving I, II (C++), Networking Technologies.

PROFESSIONAL EXPERIENCE

BAXTER INTERNATIONAL

January 2023 - August 2023

R&D Test Engineer | Skaneateles Falls, NY

- Responsible for maintaining several high priority baseline assessments that were in testing phases and reporting results to Senior Test Engineers.
- Partnered with and assisted full time engineers alongside other co-op students to perform baseline tests on worldwide medical devices on the market or in beta.
- Programmed DORNA Robotics arm and fixtures in Python to perform baseline tests for products in development or in engineering investigation phase.
- Logged numerous baseline test results into Excel and uploaded project files into SAP database.

PERSONAL TECHNICAL PROJECTS

PERSONAL "HOBBIES" WEBSITE | HTML

July 2023 - Present

- In the process of creating a personal website in HTML using React.js. This website includes a short introduction of my experiences and a 2023 year picture collage of places I've been to.

FACE RECOGNITION SYSTEM | Python

July 2022 - December 2022

- Developing a program using Python's face recognition library to identify who enters and leaves my home. Details of the person would be uploaded to a local drive such as name and time.

TOASTER SIMULATION ROBOT | C

April 2022 - May 2022

- Coded a Toaster-like robot in C with the TI MSP432 using state machines. Users would be prompted to select a mode to determine the time/temperature and LCD/RGB lights would symbolize current status.

SCHOOL TECHNICAL PROJECTS

CARPOOL RESERVATION SYSTEM | C++

November 2022 - December 2022

- Coded an application for volleyball players to reserve a car and seat type they prefer for their weekly volleyball tournament. Options ranged from SUV, Sedan, Compact and passenger or back-seats. Players would be given a weekly credit which would be used for reserving their seats.

BLUETOOTH REMOTE ROBOT | C

January 2022 - May 2022

- Programmed a robot in C using Texas Instruments MSP432 robot. Connected to the robot via bluetooth onto a phone to input binary values commanding it which direction to go.

SKILLS

- **Certifications:** Amazon AWS Cloud Practitioner Certification
- **HARDWARE:** VHDL, FPGA, Raspberry Pi, Quartus, ModelSim, MultiSim
- **SOFTWARE:** C, C++, Python, HTML, Excel, Visual Studio Code, MatLab, Minitab, Code Composer Studio, Quartus Prime, SAP
- **OTHER:** Oscilloscope, Multi-Meter, Soldering