DEVIN JIANG

Seeking a Summer 2024 Software Engineering Co-op/Internship

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EXPERIENCE

Baxter International | Test Engineering Intern

📅 August 2023 - Present   📍 Skaneateles, NY

- Maintained and optimized automation scripts to enhance reliability and performance.
- Implemented Python automation tools to perform data analysis, effectively organizing and presenting data in Excel sheets.
- Refactored existing Python code for the Dorna2 arm, significantly improving reliability.

Tools: Python, Rust, Linux, Raspberry Pi

Konfoong Materials International | Software Engineering Intern

📅 July 2023 – August 2023   📍 Yu Yao, China

- Collaborated with a team of 3 to develop the MVP for a Home Automation Software.
- Implemented the frontend utilizing React and containerized the application.
- Deployed the containerized application utilizing Alibaba Cloud IoT platform.
- Composed Software Architecture documentation for the Software.

Tools: React, Redux Toolkit, TypeScript, Material UI, Docker, Alibaba Cloud

Soleras Advanced Coatings | Software Engineering Intern

📅 June 2023 – August 2023   📍 Deinze, Belgium

- Refactored a manual Python analyses script to an automated Python service.
- Enhanced the Angular frontend to display the analysis effectively to the operators.
- Implemented a communication link utilizing the GRPC protocol to ensure seamless transfer of analyses between the Python service and the C# backend.
- Significantly reduced the turnaround time for receiving analyses data.

Tools: Angular, TypeScript, NgRx, C#, Python, GRPC

PROJECTS

Watch Dog

⌗ https://github.com/dj6207/watchdog   📅 Nov 2023 – Present

- Developed a desktop application leveraging the Tauri Framework, designed to monitor and analyze user activity and application usage.
- Implemented the backend in Rust, ensuring efficient performance and secure data handling for real time activity monitoring.
- Utilized React to graph and visualize the collected data in real time.

Tools: Rust, TypeScript, SQLite, Tauri, React

The Bakery

⌗ https://github.com/TheBakery   📅 Jan 2023 – May 2023

- Collaborated with a team of 4 to develop a website that sells baked goods using the Angular framework.
- Leveraged the REST API to effectively access and modify JSON files to build a database of products and users.
- Employed the Scrum software development cycle involving routine standups, sprint planning, and sprint retrospectives.

Tools: Java, TypeScript, Angular, REST API, Trello, Docker, Slack

EDUCATION

Rochester Institute of Technology

Computer Engineering B.S. GPA: 3.7

📅 Expected Graduation May 2026

RELEVANT COURSES

Computer Science I   Computer Science II
Intro to Software Engineering
Digital System Design I   Circuits I
Digital System Design II   Circuits II
Assembly and Embedded Programing

SKILLS

Languages

Python   TypeScript   Rust   C#   Java
JavaScript   HTML/CSS   SQL   VHDL
ARM Assembly   LaTex

Tools/Technologies

React   Angular   Tauri   Docker   SQLite
PostgreSQL   Linux   Raspberry Pi

ACTIVITIES

Computer Science House

📅 August 2021 - Present | Active Member

- Participated in weekly house meetings and technical seminars to learn new skills and concepts.
- Worked on various personal projects with guidance from technically experienced members.

Society of Asian Scientists and Engineers

📅 August 2021 - Present | Active Member

- Attended career development activities such as resume workshops and networking events.
- Gained career guidance from experienced members through mentorship programs.