

DEVIN JIANG

Seeking a Summer 2024 Software Engineering Co-op/Internship

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EXPERIENCE

Baxter International | Test Engineering Intern

📅 August 2023 - January 2024 📍 Skaneateles, NY

- Maintained and optimized automation scripts, enhancing reliability and performance, ensuring smoother operational workflows.
- Refactored and improved the existing Python code for the Dorna2 robotic arm, significantly improving reliability.
- Developed a desktop application for inventory tracking, ensuring efficient management of test fixtures and devices.

Tools: Python, Rust, Tauri, TypeScript, React, Material UI, Linux, Raspberry Pi

Konfoong Materials International | Software Engineering Intern

📅 July 2023 - August 2023 📍 Yu Yao, China

- Collaborated effectively with another intern to design and develop a MVP for a home automation software from scratch.
- Successfully containerized and deployed the MVP on Alibaba Cloud IoT platform.
- Helped compose a Software Architecture documentation, providing a clear framework for future scalability and maintenance.

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

Soleras Advanced Coatings | Software Engineering Intern

📅 June 2023 - August 2023 📍 Deinze, Belgium

- Transformed a manual Python analysis script into an automated service, increasing processing efficiency and reducing human error.
- Implemented a communication link utilizing the GRPC protocol to ensure seamless transfer of analyses between the Python service and the C# backend.
- Enhanced the Angular frontend to display the analysis effectively to the operators.

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.