

# DEVIN JIANG

## Seeking a Summer or Fall 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.