

# 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 analysis 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 analyzed 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.