

# Devin Jiang

## Seeking a Summer and Fall 2024 Software Engineering Co-op/Internship

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### EDUCATION

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#### Rochester Institute of Technology

Rochester, NY

*Bachelor of Science in Computer Engineering; GPA: 3.7*

*Expected Graduation: May 2026*

### EXPERIENCE

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#### Baxter International

August 2023 - January 2024

*Test Engineering Intern*

*Skaneateles, NY*

- Optimized automation scripts, enhancing reliability and performance, ensuring smoother operational workflows.
- Implemented Python automation tools to perform data analysis, effectively organizing data in Excel.
- 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

July 2023 - August 2023

*Software Engineering Intern*

*Yu Yao, China*

- Collaborated effectively with another intern to design and develop a MVP for a home automation software.
- Spearheaded the frontend development of the software utilizing React and Material UI for rapid development.
- Successfully containerized and deployed the MVP on Alibaba Cloud IoT platform.
- Composed a Software Architecture documentation, providing a framework for future scalability and maintenance.

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

#### Soleras Advanced Coatings

June 2023 - August 2023

*Software Engineering Intern*

*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 analysis data between the Python service and the C# backend.
- Enhanced and updated the Angular frontend to display the analysis effectively to the operators.

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

### PROJECTS

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#### ReFlick | <https://github.com/dj6207/BrickhackX>

- Developed a web application utilizing OpenAI to provide users with tailored recycling instructions based on uploaded images.
- Utilized Flask to make OpenAI API requests for image classification and generation of item recycling instructions.
- Deployed the web application through Vercel and hosted the backend on Heroku.

**Tools:** React, OpenAI API, JavaScript, Flask, Python, Vercel, Heroku, Docker

#### Watch Dog | <https://github.com/dj6207/watchdog>

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

**Tools:** Rust, TypeScript, SQLite, Tauri, React

### TECHNICAL SKILLS

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**Languages/Frameworks:** Python, TypeScript, Rust, C, C#, Java, HTML, CSS, SQL, React, Angular, Tauri

**Technologies:** Git, Docker, SQLite, PostgreSQL, Linux, Raspberry Pi, Alibaba Cloud, Google Cloud Platform

### ACTIVITIES

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#### Computer Science House | *Alumni*

August 2021 - September 2022

- 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.