

Richard Sawh

24 Fairwood Drive, Rochester NY, 14623 | ras7019@g.rit.edu | Cell: 201-214-8404

Links

<https://github.com/ricsaw?tab=repositories>

<https://www.linkedin.com/in/richard-sawh-9a39a1176/>

<https://www.richardsawh.xyz>

Objective: Incredibly motivated, eager to learn, and ready to work. Seeking a software engineering co-op or internship using skills in Python, Java, C++, SQL, and Solidity **Available June 2023 - August 2023**

Education:

Rochester Institute of Technology (RIT), Rochester NY

Bachelor of Science in Software Engineering

Expected May 2026

Relevant Skills

Programming Languages: Python, Java, MySQL, PostgreSQL, HTML, C++, C#, Solidity, R, JavaScript, CSS, React, Angular

API: RESTFUL, Paypal, Google Cloud Asset, Google Maps API/SDK, Yahoo Finance

Operating Systems: Windows, Linux/Unix (Ubuntu, Debian, PopOS, openSUSE), Android

Misc Skills: Postman, Bootstrap, Firebase, Arduino, MongoDB, Tomcat, Trello, Git, Agile, SCRUM

Projects

OCR Glasses, Personal Project

January 2020

- Created a pair of glasses that uses a camera combined with an RPI Zero W in order to use OCR to process words and relay them to the user through audio.
- Submitted to MIT Think and was awarded Semi-Finalist position (Top 12).

Recipe Purchasing Website and Application, Intro to Software Engineering

Sept - Dec 2022

- Allows users to purchase between 10 different recipes (more to be added) and have the ingredients delivered through a service similar to Uber Eats.
- Uses Google Maps API to retrieve GPS data to track order status.

Work Experience

Complete Document Source

July 2019 - August 2019

Software Engineering Intern Specializing in SQL

- Worked with a team of 3 database engineers to create and manage SQL databases.
- Used MySQL to manage large datasets (100s of tables) comprising of forensic information.
- Collaborated with team members to automate the creation of datasets (increased productivity and efficiency by 30%).

RIT Research

May 2023 - August 2023

Software Engineering./Research Co-Op

- Worked with a team of software engineers to update code, test code, and create new functionality.
- Increased efficiency of my given project by roughly 30% (From 9 minute runtime down to 5-6).
- Worked with security vulnerabilities and AI in order to rank the vulnerabilities by severity.

Useful Background

Robotics (FTC)

September 2015 - May 2021

Team Captain of high school Robotics Team

- Collaborated with a team of mechanical and software engineers to develop a robot in order to compete in multiple competitions and was awarded first place in one.
- Programmed in Java, specifically geared towards object orientation (95% done in Java, 5% in Vuforia).

Volunteer at Englewood Library

June 2017 - August 2017

Focused on Book Organization

- Helped the staff organize books.
- Designed software to track inventory more efficiently, which increased productivity by 25%.