

# Richard Sawh

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## 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

*Stock Prediction App*, Personal Project

**June 2020**

- Developed a python program that uses LSTM to predict the prices of stocks in the near future (Maximum of 3 months ahead).
- Used Yahoo Financial API to retrieve the 3-4 letter abbreviations and parse them through the application.
- Achieved a minimum of 70% accuracy and generated roughly 600% profit on a \$20 investment (achieved through real-world tests).

*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.

*Fitness Tracking Application*, Personal Project

**March - Present**

- Allows Users to track their caloric intake via manual input or barcode scanning.
- Uses a free-ad-based model to generate revenue (increases downloads by 58%).
- User data can be used to suggest workout plans and diet plans (meals included).

## **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%).

### **DoorDash**

**January - Present**

*DoorDash Delivery Driver*

- Receive customer orders and deliver quality products on time or 5-10 minutes early.

## **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%.