

Rawhi Alfar

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Skills

Programming Languages: JavaScript, HTML, CSS, Python, C, Java, SQL, TypeScript, PHP, Cobol, R
Libraries & Frameworks: React.js, Node.js, GraphQL, JQuery, AJAX, Tailwind, AWS, MariaDB, DynamoDB, Pytest, Jest
Tools: Git, Github, Google Cloud Platform, Trello, Asana, REST, Jira, POSTMAN, Figma, Apollo, Zoho, Firebase

Education

University of Guelph, Guelph, ON, **September 2020 - April 2025**
Bachelor of Computing, Software Engineering (Co-op) 3.8 GPA

Experience

Fill it Forward Guelph, ON | Software Development Intern **January 2024 - August 2024**

- Developed features for the Fill it Forward mobile app using React, **significantly** enhancing the user experience and aligning with product design.
- Built key pages for the Fill it Forward client portal using React Native, enabling clients to manage groups and view **real-time** statistics of their impact, increasing client engagement and impact by **60%**.
- Contributed to a SaaS migration, ensuring a **smooth transition** to a more scalable infrastructure.
- Wrote backend scripts with TypeScript and GraphQL to support new features and enhance performance.

TAMVOES Waterloo, ON | QA Analyst Intern **Sept 2022 - December 2022**

- Performed manual and regression testing for TAMVOES’s mobile app, **thoroughly** identifying, documenting, and reporting critical bugs and issues to ensure platform stability and enhance user satisfaction.
- Developed and executed comprehensive test plans and scenarios, facilitating a smoother release cycle by catching defects early in the development process.
- Wrote detailed and efficient unit tests using Pytest, ensuring high code coverage and functionality of core components.

TD Bank Toronto, ON | Quality Engineer Intern **May 2022 - August 2022**

- Performed **comprehensive** manual and regression testing on TD’s official website, ensuring strict compliance with quality standards and **enhancing** the user experience.
- Automated testing scripts to streamline repetitive processes, improving the efficiency and accuracy of the testing phase.
- Thoroughly documented and reported defects, providing clear analysis and actionable feedback.
- Collaborated closely with a professional QA team, using Agile and Scrum methodologies to ensure alignment with project goals and tight delivery timelines.

Projects | [Github.com/rawhialfar](#)

Molecule Viewer | C, Python, HTML, CSS, SQL, JavaScript <https://github.com/rawhialfar/Jquery-Webserver>

- Developed a full-stack application with a **C backend** parser to convert SDF files into molecule data stored in an SQL database.
- Utilized a **Python3-based web server** to process data into SVG images, with a JavaScript, HTML, CSS, and SWIG frontend for **seamless integration**.
- Enabled data storage, editing, rotation, and viewing, hosting the server with **jQuery** to enhance functionality.

Course Manager | PHP, JavaScript, HTML, CSS, Python, Figma <https://github.com/rawhialfar/Course-Manager>

- Collaborated with a team of six to design and program a **web-based university portal**, enabling students to search and manage courses from a database linked to WebAdvisor–Guelph’s primary portal application.
- Utilized a server-side **REST** API to handle data operations, including adding, modifying, and deleting student information.
- Implemented **vis.js** to create a visual course path optimization tool.
- Worked in a weekly sprint format over nine sprints with rotating sprint leadership to ensure project progress.

Weather App | JavaScript, HTML, CSS, React <https://weatherapp-pr.netlify.app/>

- Developed a **cross-platform** weather-checking app for mobile and desktop that prompts users for a city input in the format "City, Country Code."
- Integrated the **Open Weather API** for real-time data retrieval and efficient weather updates.