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)

Experience

Fill it Forward, Software Development Intern | *Guelph, ON*   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 procure a snapshot view 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.
- Wrote backend workflow scripts in **Deluge** to automate actions and module creation in Zoho CRM, **significantly reducing time** and **resources** spent on client onboarding and data entry.

TAMVOES, QA Analyst Intern | *Waterloo, ON*   September 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 suites, facilitating a **smoother release cycle** by catching defects **early in development**.
- Wrote **detailed and efficient** unit tests using **pytest**, ensuring high code **coverage** and **functionality**.

TD Bank, Quality Engineer Intern | *Toronto, ON*   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 testing.
- 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 deadline delivery**.

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**.
- Hosted the server with **jQuery**, improving **event handling** and enhancing the **user experience**.

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.
- Adopted a rotating sprint format to enable **diverse leadership**, fostering a **cross-functional** and **inclusive** development process.

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

- Developed a **cross-platform** weather-checking app for mobile and desktop, with HTML and CSS.
- Integrated the **Open Weather API** for real-time data retrieval and efficient weather updates.