Rawhi Alfar

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Education

University of Guelph   Guelph, ON
Bachelor of Computing, Software Engineering *GPA: 3.7*   September 2020 - April 2025

Skills

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

Work Experience

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

- Developed **React** features for the Fill it Forward app, **enhancing** the user experience and aligning with product design goals.
- Built client portal pages using **React Native**, enabling group management and impact tracking, **increasing engagement 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 **improve performance**.

TAMVOES   Waterloo, ON
QA Analyst Intern   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   Toronto, ON
Quality Engineering 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 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

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 in a team to design and program a web-based portal, enabling students to 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.
- Adopted a **rotating sprint** format to enable **diverse leadership**, fostering a **cross-functional** and inclusive development process.