Hassan Alawie

Systems Design Engineering Student

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Experience

Front End Developer - Snapsmile – Toronto ON   *Sep 2020 – Dec 2020*

- Collaborating with a group to develop the front end of a mobile app using **react-native** and **Figma** that received over $150,000 in investment.
- Contribute to product development in weekly scrum meetings.
- Communicate with CTO to handle bugs and containerize the backend with docker.

Software Developer – NOVX Systems – Toronto ON   *Jan 2021 – Apr 2021*

- Developed several **AngularJS** pages on the admin website that allows users to add/edit items from the database.
- Handled bugs and implemented new features to the WPF/SL software using **C#.**
- Implemented raw **SQL** in the admin website to decrease load times by 33%.

Website Developer – Ryerson Engineering Student Society– Toronto ON   *Dec 2018 - May 2019*

- Created a website where students can upload their resumes to a bank for Ryerson Engineering sponsors.
- Created the UI for administrators where they can extract csv's and change passwords for users

Personal Projects

Livel.ly App   *Feb 2021*

- Developed **react-native** app that displayed questions from a REST API created using **NodeJS.**
- Designed admin-side **react-based** website that communicated with a **firebase** database to create events on the mobile app.
- Won CareltonHacks Hackathon grand prize with over 300 participants.

RX Pharmaceutical App   *March 2019*

- Interviewed pharmacists and implemented problem solving skills to address the global opioid crisis.
- **Flask** web application that can extract necessary data from a prescription and store it in a database using google cloud computing services.

Finstagrams.ca   *March 2020*

- **PHP** project that allows users to create their own account, post pictures, comment and create their own profile.
- Developed **SQL** queries to connect and add data from an HTML form.
- Implemented encryption for added security.

Research Project   *March 2020*

- Published a paper on the pathogenesis of major depressive disorder in the URNCST journal.
- Worked in a group of three over the course of 7 months to research, draft and compose a literature review.

Education

BASc, Systems Design Engineering **– University of Waterloo – September 2020 – June 2025**

- Excellent standing (3.9 Cumulative GPA). Expected graduation: June 2025.
- Relevant Courses: Data Structures and Algorithms, Linear Algebra, Introduction to Design, Digital Computation.

BEng, Biomedical Engineering **– Ryerson University – September 2018 – June 2020**

Skills

Languages: JavaScript, C++, C#, PHP, HTML, CSS, Python, SQL, MATLAB, C, VHDL

Frameworks/Software: React, React-Native, AngularJS, NodeJS, Firebase, WPF, Silverlight, Flask, NumPy, Pandas, Matplotlib, Sklearn, Spark, folium, BeautifulSoup, Flask, Google API, Tkinter, Figma, Bootstrap