Symoom Saad

📱 (873) 288 0664 • ✉ saadsymoom@gmail.com

🌐 psymoom.github.io/react-portfolio/ • ⌂ PSYmoom

Skills

- **Languages:** C, C++, Java, Go, Python, CSS, HTML, JavaScript, TypeScript, Prolog, Scheme, Assembly
- **Software:** MATLAB, Multisim, AutoCAD, Fusion 360, Inkscape, Quartus II
- **Hardware:** Oscilloscope, Multimeter, Altera DE2-115 board, Soldering Iron
- **Others:** Git, Angular, React, Firebase, Android Studio, Arduino UNO, LaTeX, Raspberry Pi

Work Experience

Web Developer — **iBwave**
Montréal, QC — *January 2021 – April 2021*

- Implemented various high-quality frontend Angular components that were utilized throughout the web application
- Optimized the web application's performance by utilizing caches and implementing form validators, which resulted in fewer network calls
- Collaborated with a UI/UX designer to update the UI and UX of existing Angular components

Server — **Your Independent Grocer**
Ottawa, ON — *July 2018 – December 2020*

- Developed multitasking skills to help ensure food was continuously being cooked and served as required
- Refined communicational skills through continuous communication with customers and coworkers

Projects

Remote Server Manager — **Personal Project**
JavaScript — *June 2020 – August 2020*

- Developed an app using Discord.js to allow users to seamlessly start and stop a multiplayer server remotely
- Implemented features using JavaScript promises to efficiently handle asynchronous communication
- Utilized Discord roles to to manage access to server admin commands

Package Pickup Scheduler — **hack:now**
Android Studio, Firestore — *April 2020 – April 2020*

- Developed an app to help apartment complexes uphold social distancing
- Used filtered queries to retrieve user-input tenant information from Firestore
- Implemented automated email notifications with separate pickup times to the tenants using Intent

Environment Data Logging Vehicle — **Personal Project**
Python, Raspberry Pi — *April 2019 – September 2019*

- Built a vehicle with Raspberry Pi using Python to log current and historical environmental data
- Integrated the BlueDot application to allow users to precisely control the speed and steering of the vehicle up to 10 meters away using their Android phones via Bluetooth
- Utilized the http.server class to help locally host a web page to display a video feed and sensor values in real-time
- Programmed the Pi to retrieve and log data during its drive and then plot the various data sets against time

Education

BASc in Electrical Engineering /BSc in Computing Technology — **University of Ottawa**
Ottawa, ON — *2018 – 2023*

- Dean's Merit scholarship
- Admission scholarship

High School Diploma — **Lisgar Collegiate Institute**
Ottawa, ON — *2015 – 2018*

- Grade 12 Physics scholarship