

Symoom Saad

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

Skills

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

Projects

- **Remote Server Manager** **Personal Project**
JavaScript *June 2020 – August 2020*
 - Developed an app using Discord.js to allow a Discord group's members to seamlessly start and stop a multiplayer server remotely
 - Implemented features using JavaScript promises to efficiently handle asynchronous communication
 - Utilized Discord roles 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 for ease of data analysis

Work Experience

- **Server** **Your Independent Grocer**
Ottawa, ON *July 2018 – Present*
 - 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
 - Distributed chores among coworkers based on their strengths

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