Shermal Marasinghe

Computer Engineer

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GitHub: https://github.com/ShermalM Portfolio : https://shermalm.github.io

Work Experience

Technical Support Representative
Klarna, Toronto, Canada
July 2021 – January 2022

Customer Service Representative
TTC, Toronto, Canada
August 2019 – July 2021

Languages

C	Java
Python	HTML/CSS/XML
JavaScript	SQL
PHP	

Tech Stack

Oracle	Node.js
MySQL	MSSQL Server
Bootstrap	jQuery/ jQuery UI
AWS	Firebase/MongoDB
Jira	

Operating Systems

Windows	Linux
Android	Ubuntu

Skill Highlights

Proficiency with Programming Languages
Excellent Time Management
Quick Learner
Mathematical Skills

Certifications

:: JavaScript, PHP, and JQuery Certificates by SoloLearn February – April 2020
:: Azure Fundamentals AZ 900 Certificate by Microsoft March 2021

Volunteer Experience

:: Volunteered at National Engineering Month, Humber Workshop, Toronto, Canada
:: Organised fundraiser events via ACBT Student's Council

Achievements

- Deans List : Humber College, Toronto, CA (2021)
- Achieved the highest mark for Mathematics - Cambridge O/L (2017)
- Received High Achievement award for Computer Science Cambridge O/L (2017)

Education

- **Advanced Diploma** : **Computer Engineering Technology** - 2021 (GPA 3.67 / 4.0)
  Humber College, Toronto, CA
- **Foundation Diploma of Science** : **Engineering Studies** - 2018
  Edith Cowan College, Melbourne, Australia

Projects

- **Drawing App (2022)**
  - Created a web application using HTML, CSS, jQuery, jQuery UI.
  - Used HTML Canvas to allow the user to draw on the website.
  - Utilized Local Storage to allow the user to save their drawing, and come back to it at a later time.
  - Maintained the application on a GitHub repository.
- **Smart Lock Senior Capstone Project (2021)**
  - Led a group of four in developing a decentralized Smart Door Lock System. Connected our decentralized subsystems to Blynk Cloud Database.
  - Developed a mobile application to lock/unlock the Smart Lock.
  - Used a Raspberry Pi 4 and STM32F103C8T6 micro-controller to control the subsystems.
  - Wired circuits for a 5V servo motor, SSD1306 OLED, and other peripheral devices.
  - Coded firmware using C and JavaScript, maintained on a GitHub repository.
- **Homies Android Application (2020)**
  - Led a group of four in developing an Android Housing application.
  - Used Android Studio IDE to design the front-end user interface and develop back-end functions using XML and Java.
  - Maintained the application on a GitHub repository.
  - Connected the application to Firebase Realtime Database, in order to store and access data remotely.
  - Utilized Google and Facebook API for creating user accounts.