Sanad Alwerfali

Computer Engineering Student

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Skills

Programming Languages:
C/C++ • Java • Python • JavaScript • HTML • MATLAB • CSS

Development Tools:
GitHub • Gleek • HTML5 Builder • Visual Studio

Operating Systems:
Windows • Linux • OS X

Other:
- Test Driven Development
- Design and Debugging
- QA and Troubleshooting
- Batch Scripting & Automated Testing
- Data Extraction & Web Scraping
- Computer-Networking

Extra Curricular

Shape the Youth Organization
Working as an online mentor for children who were affected by the civil war in Libya. Responsibilities include organizing virtual meetings and activities. (**2019-present)**

Hackathon – Hackfrost NL
Participated in the Hackathon 48hrs challenge and won 1st place among 50 other teams. **(2021)**

Baja MUN – Electrical Team
Designed and built an off-road vehicle for Baja SAE challenge. Responsibilities included ensuring the wires are firmly connected and troubleshooting the circuits using multimeters. **(2019-2020)**

Awards & Achievements
- Obtained the Google Technical Support Fundamentals certificate from Coursera
- Received $120,000 in IBM Cloud Credit
- Partnership with Bounce Health Innovation
- Received the annual PEGNL award

EDUCATION

Bachelor of Engineering – Computer || Class of 2024   2019 - Present
Memorial University of Newfoundland, St. John's, NL

- Current GPA: 3.8

Industrial Electronics || Class of 2019   2017 - 2019
Vanier College, Montreal, QC

EXPERIENCE

Supervisor   2019 - Present
Subway, St. John's, NL

- Estimating supply requirements based on historical needs using sales data
- Conducting daily inventory and safety check, production meetings, and generate weekly, monthly, and annual reports

Corking Machine Operator   2018 - 2019
Cibona Foods, Montreal, Quebec

- Analyzed and followed blueprints, diagrams, and schematics to assemble the Machines
- Completed minor machine maintenance, including oiling parts and cleaning components by following the maintenance procedures

PERSONAL PROJECTS

(Projects Demos on Website)

Counter19 – [Hackathon Winner]   2021

- Built a real time capacity monitoring system which delivers live capacity data with visual warnings when capacity limit is approached or exceeded. By using advanced counting sensors, a display screen, and an alarm system.
- Developed a website that shows real-time capacity data for places that have this system implemented.
- Developed a mobile app that serves the same purpose as the website but in a more user-friendly environment.
- Built a simple prototype that represents this system using Arduino Uno.
- To complete this project we utilized Arduino Uno, Swift, Java, HTML, CSS, Python and C++.

Currency Converter GUI   2020

- Developed a simple application that provides a windows-based interface for exchanging money from one currency to another currency. Programmed using Java.

Reddit Bot   2019

- Developed a smart Reddit Bot that searches for the meaning of a given word specified by the user. Programmed using Python, Praw module and PyDictionary module.

Automated Garbage Bin   2019

- Built a fully automated garbage bin that does not require the physical input of the user. It reacts based on how close the object is to the bin.
- Constructed using Arduino Uno, Ultrasonic sensor, servo motor, digital on/off button, LCD screen, and programmed using Python.