George Manuel

1501 Skyview Street, Oshawa, ON | (905) 243-8191
georgemanuel1997@gmail.com | www.gmanuel.com | linkedin.com/in/manuelg00

EDUCATION

Bachelor of Software Engineering   Expected Graduation: April 2020
McMaster University, Hamilton, ON
   - Specializing in Embedded Systems
Relevant Courses:

- Intro to Embedded Systems
- Data Structures and Algorithms
- Databases
- Predictive & Intelligent Control
- Real-time Systems
- Computer Networking

TECHNICAL SKILLS

Proficient:
- Java
- SQL
- Visual Basic
- Git

Intermediate:
- Python
- C/C++
- ReactJS/JavaScript
- MATLAB/Simulink

Basic:
- Machine Learning
- Android Development
- Bash
- Automated Unit Testing

EXPERIENCE

Software Engineering Intern – Ontario Power Generation   Jun. 2018 – Aug. 2019
- Collaborated with different departments and led the development of several data mining and automating applications using **SQL, Java** and **Visual Basic** that now save the company $4M/year.
- Recognized and awarded the Values in Actions award on 3 separate occasions in recognition of my teamwork, adaptability and leadership.

Controls Systems Developer – MAC Formula Electric   Sept. 2016 – Apr. 2018
- Worked in a student-driven team to develop a working control system for a 600-volt Formula Electric Vehicle.
- Used **MATLAB** and **Simulink** to develop Accumulator Model ring and Battery Management Unit.

PROJECTS

AirChair – Engineering Capstone Project   Sept. 2019 - Present
- Using a combination of **TensorFlow, Python, Flask, React** and **Raspberry Pi** to create a system that detects open seats in a large room and generates a dynamic seating map, highlighting which chairs are unoccupied.

GJB Kanban – 3rd Year Open Source Project   Jan. 2020 – Present
- Re-implementing an open-source Kanban application using **ReactJS** to make it easier to work with for future development and also adding useful features.
- This project is also a means to practice using the **Software Development Life Cycle.**