

Eric Forman

905-525-9140 | formane@mcmaster.ca | linkedin.com/in/ericforman

HIGHLIGHTS OF QUALIFICATIONS

- Enrolled in level 4 of the 4-year Computer Engineering co-op program at McMaster University
- Experienced in handling basic electronic lab equipment such as oscilloscopes, signal generators and multimeters gained through course and lab work
- Excellent written and verbal communication skills developed while working as a Tutor for the Academy of Mathematics & English
- Outstanding interpersonal and teamwork skills demonstrated as a Team Member of the McMaster Intramural Basketball team

EDUCATION

Bachelor of Engineering, Computer Engineering (Co-op)

September 2020 – April 2024

McMaster University, Hamilton Ontario

- Achieved a grade-point average of 3.6/4.0 across all completed semesters
- Awarded the McMaster Entrance Scholarship (\$2k) for an entrance average of (93%)

EXPERIENCE

Programming Co-op

May 2020 – Present

Rogers Communications, Toronto Ontario

- Participated in phone application development, debugging & documentation in Java
- Performed regression & system-level testing to verify software quality & function before release
- Drafted comprehensive reports to document bugs and design flaws
- Implemented innovative systems for data collection, storage, and client management
- Worked closely with clients to establish problem specifications and system designs

ALTERNATIVE EXPERIENCE

Math & English Tutor

June 2018 – November 2019

Academy of Mathematics and English, Burlington Ontario

- Tutored up to 4 high school students per session in Math and English subjects
- Documented individual student reports to monitor student progress and improvements
- Developed action plans and worksheets based on student & educator academic goals
- Communicated with students, parents and educators on a regular basis, keeping all parties up to date on the clients progress in a friendly and empathetic manner

EXTRACURRICULAR ACTIVITIES & PROJECTS

Radio Kit Design Project

January 2021

- Studied the fundamentals of communication systems to design a radio kit
- Researched signal transmission and modulating/demodulating
- Soldered electronic components and tools for testing such as oscilloscopes

Esduinoxtreme ADC Project – Data Acquisition & Display

October 2021

- Debugged and designed a single channel data acquisition system using C and MATLAB
- Tested and development and maintenance using instrumentation and control knowledge
- Documented the design process in an IEEE-formatted report and created a product user guide

Pacemaker Project

January 2022

- Created a prototype that simulated the functions and features of a real pacemaker using C# and C++ with the flagship FRDM-K64F board through the mbed platform
- Established a user interface using Visual Studio 2010

Reception – IT Collection

October 2022

- Collected used and outdated electronics for recycling on Sustainability Day
- Educated the public on the importance of properly disposing electronics

Team Member – DeltaHacks II McMaster University

January 2022

McMaster University, Hamilton Ontario

- Collaborated in a group of 3 to design and print a 3D model of a hand using AutoCAD within a 24 hour period

McMaster Intermural Basketball

Sept 2020 - Present

- Strengthened teamwork skills by working cohesively with other students to win the season

SKILLS & QUALIFICATIONS

Hardware:

- Altera-DE2
- Arduino
- PIC Microcontroller
- PLCs
- EsduinoExtreme
- Freedom K64F Board

Software:

- Verilog HDL/VHDL
- HTML & CSS
- C/C++
- Java
- Python
- XMI

Development Tools:

- MATLAB
- Eagle 7.5
- AutoCAD
- Pspice
- Simulink
- Microsoft Office