

ERIC FORMAN

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

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 attained as a Team Member of the McMaster Intramural Basketball team

EXPERIENCE

PROGRAMMING CO-OP

MAY – AUGUST 2017

ROGERS COMMUNICATIONS, TORONTO ON

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

MATH AND ENGLISH TUTOR

JANUARY 2015 – MAY 2017

ACADEMY OF MATHEMATICS & ENGLISH, BURLINGTON ON

- Assisted in tutoring high school students in Math and English subjects
- Documented individual student reports for parents to monitor student progress and improvements
- Developed action plans and worksheets based on students' and educators' academic goals
- Multitasked by assisting 2-4 students of varying grades per session
- Demonstrated an extensive knowledge and understanding of the elementary and high school curriculum

TECHNICAL SKILLS

HARDWARE:

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

SOFTWARE:

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

DEVELOPMENT TOOLS:

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

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EDUCATION

BACHELOR OF ENGINEERING, COMPUTER ENGINEERING (CO-OP) EXPECTED COMPLETION, 2019
MCMASTER UNIVERSITY, HAMILTON ON

- Achieved a grade-point average of 3.6/4.0 across all completed semesters
- Awarded the **McMaster Entrance Scholarship** for academic achievements in high school

PROJECTS

RADIO KIT DESIGN PROJECT 2017

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

ESDUINOXTREME ADC PROJECT – DATA ACQUISITION & DISPLAY 2016

- Debugged and designed a single channel data acquisition system using C and MATLAB
- Tested 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 2016

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

EXTRACURRICULAR ACTIVITIES

RECEPTION – IT COLLECTION OCTOBER 2017

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

TEAM MEMBER – DELTAHACKS II MCMASTER UNIVERSITY JANUARY 2016

- Collaborated in a group of 3 to design and print a 3D model of a hand

MCMASTER INTRAMURAL BASKETBALL 2015 - PRESENT

- Strengthened teamwork skills by working with cohesively with other students to achieve a winning record