Eric Forman

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HIGHLIGHTS OF QUALIFICATIONS

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

EDUCATION

Bachelor of Engineering, Computer Engineering (Co-op)   *Sept 2020 – April 2024*

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

EXPERIENCE

Programming Co-op   *May 2020 – Present*

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

ALTERNATIVE EXPERIENCE

Math & English Tutor   *June 2018 – Nov 2019*

Academy of Mathematics and English, Burlington Ontario
o Tutored up to 4 high school students per session in Math and English subjects
o Documented individual student reports to monitor student progress and improvements
o Developed action plans and worksheets based on student & educator academic goals
o 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   *Jan 2021*
o Studied the fundamentals of communication systems to design a radio kit
o Researched signal transmission and modulating/demodulating
o Soldered electronic components and tools for testing such as oscilloscopes

Esduinoxtreme ADC Project – Data Acquisition & Display   *Oct 2021*
o Debugged and designed a single channel data acquisition system using C and MATLAB
o Tested and development and maintenance using instrumentation and control knowledge
o Documented the design process in an IEEE-formatted report and created a product user guide

Pacemaker Project   *Jan 2022*
o 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
o Established a user interface using Visual Studio 2010

Reception – IT Collection   *Oct 2022*
o Collected used and outdated electronics for recycling on Sustainability Day
o Educated the public on the importance of property disposing electronics

Team Member – DeltaHacks II McMaster University   *Jan 2022*
McMaster University, Hamilton Ontario
o 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*
o Strengthened teamwork skills by working cohesively with other students to win the season

SKILLS & QUALIFICATIONS

Hardware:	Software:	Development Tools:
o Altera-DE2	o Verilog HDL/VHDL	o MATLAB
o Arduino	o HTML & CSS	o Eagle 7.5
o PIC Microcontroller	o C/C++	o AutoCAD
o PLCs	o Java	o Pspice
o EsduinoExtreme	o Python	o Simulink
o Freedom K64F Board	o XMl	o Microsoft Office