First and Last Name

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Last Updated: January 7, 2018

Objective

Responsible Engineering Undergraduate with hard work ethic and an upbeat attitude seeking to use problem solving and organizational skills to support the Engineering Division as an Engineering Development Student at Bruce Power starting May 2018 for a 4 month or 8 month work term.

Education

Carleton University — Ottawa, Ontario
Bachelor of Computer Systems Engineering - Carleton's extension of Electrical Engineering — *(Expected) May, 2019*

Kincardine District Secondary School — Kincardine, Ontario
Ontario Scholar and recipient of the 2013 KDSS Student Leadership Award — *Graduated June 2013*

Experience Summary

Programming: Java, Python, C/C++, Matlab, Assembly x8086, Motorola HC12, LaTeX, AutoHotKey

Hardware: Logic Gates, Electrical Wire and Soldering, Computer Construction and Repair

Software: Excel, Word, PowerPoint, Access, Sheets, Docs, Slides, Forms, AutoCAD, Solid Edge, Solid Works

Volunteering and Activities

High School Volunteering — 2008-2013
Recorded in excess of 450+ hours while volunteering in the Kincardine community throughout High School.

FIRST Robotics Team 781: Kinetic Knights Robotics — 2009, 2011 - 2013

- **Team member**: As a team we qualified for the World Championships 3 years in a row and became one of the World's Championship Finalists in 2011. By helping build and design the Robot each year I was able to practice machining and welding techniques along with problem solving as a team through each stage of the design process.
- **Food Capitan**: Not all leadership requires being in the spotlight; I learned this in 2012 as I recognized a need for someone to organize our food throughout the build season. In doing so I sought out fundraising and donations for reusable plates, cutlery, and cups and was able to reduce the team's use of disposable tableware. Each day I would further verify the following day's donations and food schedule to ensure meals were not forgotten or doubled up.

Ontario Soccer — May 2008 - Present

- **Head Referee**: Oversee assignment, education, retention, and development of officials. Requiring integrity, attention to detail, and effective communication through email and public speaking to work with a team of over 30 referees.
- **Assignor**: Requires being supportive and contributing to the continuous development of match officials at all times with effective communication through email and scheduling websites to organize match officials in advance.
- **Assessor**: Motivate, encourage, and support match officials.
  Requires to effective report writing and observation along with an in-depth knowledge of the Laws of the Game.
- **Referee**: Having presided at over 450+ soccer games, ensuring safety and competition fairness for all involved through the use of public communication and decision making.

Kincardine Regional Silver Stick
Set-up and tear-down, and preparing all game sheets in advance to reduce possible future errors. — *2014, 2015, 2016*

Bell Capital Cup
Time keeper and Game Report management for part of the Ottawa International Hockey Tournament — *2016, 2017*

Leonardo's Lounge
Volunteer: POS, stocking, and cleaning of Carleton's Engineering Student Lounge — *2013-2014*

IEEE Carleton
Office Volunteer: POS and office organization as we sold course packs and IEEE gear. — *2014-Present*

CUHacking
Helping with the 400+ participants at the 24-hour Hackathon by organizing materials and supplies. — *2017, 2018*

CSES Carleton
Iron Ring day coordinator, Calendar Director, Office Volunteer — *2016-Present*

Programming Experience

Python: Used in class to build a base on proper syntax and commenting practices when creating a basic photo-editing program with some edge-detection, sharpening, and blurring of pixel groups based on their surrounding groups.

C: Used C89 in class to create and implement linked and doubly-linked lists, later used in Assembly classes to connect between lower and higher level programming languages.

Java: Used in class manage binary search trees and solve given problems using recursive functions.

Assembly x8086: Used in class to introduce lower level programming languages and discuss functions of a processor.

Moterola Assembly HC12: Used in class to control individual pins on a microprocessor, requiring the practice of pin-sharing to output to devices such as an LCD display and a 7-segment display at the same time.

LaTeX: Used for personal projects, school reports, and for resumes. Initially learned at an IEEE workshop.

AutoHotKey: Used on personal computers to rebind keys, spell check, and create self-editing scripts.

HTML and CSS: Used when updating kincardinesoccer.com to standardize menu system and fix broken modules.

MatLab: Used in class to find trends in data with the use of combining linear, quadratic, and exponential equations.

Hardware Experience

Wire and Soldering: Used in personal projects to wire circuits of guitars, LED lighting, and computer repairs.

Logic Gates: Used in class to create a telephone switchboard, Thunderbird tail lights, seven segment display, and a serial to parallel MIDI Interface.

Computer Parts: Built and repaired my own computer, reducing bottleneck points to stay cost effective.

Software Experience

Microsoft Office 2013 Essentials training (40 hours): Access, Excel, Lync, Web Apps, OneNote, Outlook, PowerPoint, SharePoint, Visio, Word, and Office for Macintosh

Access: Used when volunteering with Kincardine Soccer to create repeated documents for receipts with names, costs, and emails of each individual by using Microsoft Access in conjunction with Microsoft Word, Excel, and Outlook.

AutoCAD: While in High School I used my drafting experience from class to tutor a Bruce Power employee upgrading their education in a 2 semester AutoCAD course from Georgian College.

Solid Edge: Used throughout High School in all drafting courses as well as during my CO-OP with KDSS to aid in the team redesign of their Woodworking and Automotive Shop in 2013.

Solid Works: Used with FIRST Robotics Team 781 to design our robot using the parts data base provided by FIRST.

References

Name of Important Person person@brucepower.com
Bruce Power Outage Manager - President Small Town Soccer *(519) 361-2673 x (extension)*

Name of My Soccer Assignor email@rogers.com
Medical Lab Technologist at Statistics Canada - Ottawa Referee Assignor *(613) 123-4567*

Name of Pastor personalemail@gmail.com
Former Pastor of Local Church & Kincardine Silver Stick Tournament Director *(519) 000-0000*