FIRST NAME LAST NAME

905-525-9140 Lastname@mcmaster.ca Linkedin.com/in/lastname Github.com/lastname

HIGHLIGHTS OF QUALIFICATIONS

- Currently enrolled in level 4 of the 4-year Electrical Engineering co-op program at McMaster University
- Excellent teamwork and communication skills gained through various extracurricular involvements
- Experience with circuitry and logical systems, both analog and digital, gained through course and lab work
- Strong problem solving and analytical skills developed while working as an Equipment Engineering co-op student

EXPERIENCE

EQUIPMENT ENGINEERING STUDENT **MAY – AUGUST 2017**
HYDRO ONE NETWORKS INC., TORONTO ON

- Analyzed designs submitted by vendors for future installation at specific electrical substations
- Reviewed and approved daily tendered documents based on price, technical analysis, and competency of design of different vendors for new equipment purchases
- Edited and drafted several standards and specifications for various materials either for installation, maintenance or tender purposes
- Assigned equipment orders for specific projects based on the scope of work, technical needs and cost of equipment
- Processed equipment into the internal asset registry system using SAP software

DESIGN ENGINEERING STUDENT **MAY – AUGUST 2016**
ORTHOPLEX SOLUTIONS INC., MISSISSAUGA ON

- Collaborated alongside the project co-ordinator to target new business and assisted with mechanical design services
- Brainstormed ideas regarding client's needs and presented these ideas to the client using Microsoft PowerPoint
- Designed a rotating seat for rowing machines with increased degrees of freedom, allowing the user to benefit from a more dynamic workout, increasing efficiency of 40%
- Implemented the seat using Autodesk Inventor and created a dynamic simulation for visual representation

EDUCATION

BACHELOR OF ENGINEERING, ELECTRICAL ENGINEERING EXPECTED COMPLETION, **2019**
MCMASTER UNIVERSITY, HAMILTON ON

- Achieved a cumulative grade-point average of 3.0/4.0

Relevant coursework includes:

Engineering Design	Digital Logic Design	Circuit Analysis	Microprocessor Systems
Principles of Programming	Control Systems	Power Systems	Communication Systems
Electronic Devices & Circuits	Signal & Systems	Energy Conversion	Electromagnetics

FIRST NAME LAST NAME

905-525-9140 Lastname@mcmaster.ca Linkedin.com/in/lastname Github.com/lastname

SKILLS

PROGRAMMING:

- Java, JavaScript, MATLAB, LABVIEW, Python, C, CSS, SQL, Assembly

SOFTWARE:

- Microsoft Word, Excel, Acess, Simulink, AutoCAD, Pspice, Arduino

LABORATORY:

- Soldering and wiring circuits using PCBs, breadboards, and jumpers
- Familiar with using oscilloscopes, function generators and multimeters

SAFETY:

- WHMIS trained
- Standard First Aid certified

TECHNICAL PROJECTS

SMART WEARABLE INTELLIGENCE FOR SLEEP QUALITY FALL 2017

- Created a web app hosted on E2C Amazon Web Services to display analysis of the heart rate, biosignals, and data from other wearable sensors stored on a MySQL database
- Web app was written in Node.js and the front end library included dc.js for interactive charts
- Utilized supervised deep learning with MATLAB

SIGNAL CONVOLUTION SIMULATION WINTER 2017

- Implemented a practical simulation using MATLAB for a variety of signals convoluted in different environments
- Gained a stronger understanding of different frequency contributions and system responses to varying inputs
- Ascertained the usefulness of simulation when encountered with a black box problem
- Results provided sufficient information to comprehend the system behaviour

EXTRACURRICULAR ACTIVITIES

HIGH VOLTAGE TEAM LEAD | MCMASTER SOLAR CAR PROJECT 2017 – PRESENT

- Designed the high voltage electrical power-train for the solar car project using AutoCAD
- Built a test bench to be able to physically test as well as simulate track conditions for specific races
- Ordered and installed specific high voltage equipment such as; IGBTs, MOSFETs, batteries, supercapacitors, etc.

STUDENT VOLUNTEER | MAY @ MAC MAY 2016

- Provided information to high school students and their families about McMaster, the Faculty of Engineering and the ECE program

STEWARDSHIP YOUTH RANGER | ONTARIO MINISTRY OF NATURAL RESOURCES SUMMER 2014

- Assisted with the removal of invasive species, water treatments, and habitat reconstruction for the Region of Halton
- Produced weekly reports and presented the final summary of work done to Supervisors, Team Leads, and other members of the Stewardship Youth Ranger program