

EDUCATION

McMaster University ·
2016 to Current
Bachelor of Computer
Engineering
Registered in the Engineering Co-op
Program

SKILLS

LANGUAGES: C, C#, C++, JavaScript, Java, Python, Verilog HDL, HTML
FRAMEWORKS: React, Angular, .NET
SOFTWARE: Autodesk Inventor, MATLAB/Simulink, Adobe Creative Suite,
Microsoft Office Suite, OrCAD
SPOKEN LANGUAGES: English, Mandarin

WORK EXPERIENCE

Software Development Intern
VIZETTO

May 2019 to Nov. 2019
Mississauga, ON

- Performed R&D, design and integration of new features into company's flagship products
- Improved software demo efficiency by 50% through decreasing demo setup time
- Worked with C# and XAML in Windows Presentation Foundation
- Performed QA on software built using Angular and Node
- Worked in an Agile development environment

IT Technician and Administrative Assistant
MARKETPLACE PHARMACY

Oct. 2014 to Aug. 2016
Mississauga, ON

- Built and configured new hardware such as solid state drives, network adapters, and audio interfaces
- Installed and updated software packages
- Filed patients' confidential medical documents into Oracle Database

PROJECTS

MCMASTER ECOCAR CHALLENGE

Sept. 2019 to Current

- Developed a weather detection system for dev challenge using a camera and IR light, and is based off of the concept of total internal reflection
- C# Software checks critical angle between IR light and car's windshield to decide whether or not there is precipitation
- Creating adaptive cruise control algorithms in MATLAB and Simulink

NYTRIC ON-SCREEN KEYBOARD

May 2019 to July 2019

- Developed an on-screen keyboard that is optimized for touchscreen displays
- Front end created through XAML and back end created through C#
- Aimed to increase efficiency for companies including Ricoh, Nike, Toyota and Porsche

TIME ATTACK RACE CAR

May 2018 to Aug. 2019

- Built a car to be used in time attack racing
- Rewired taillights with relays to utilize factory brake light as turn signal, for increased visibility when signalling to other drivers
- 10% faster lap times compared to baseline track time
- Gained sponsorship from Mishimoto, SPY Optics, GoPro, Motul Oil

VOLUNTEERING

IEEE STUDENT BRANCH · Head of Website Committee

Sept. 2018 to Current

- Utilization of strong communication and team-working skills to organize and run workshops
- Underwent training for soldering electrical components
- Distribution of lab materials to 15+ ECE students per shift

CANADIAN FOOD FOR CHILDREN

June 2020 to Current

- The charity aims to fill a 40-foot container every day. The containers are sent from Mississauga to one of 22 developing countries.