

Education

- **University of Toronto** Toronto, CA
BASc in Computer Engineering Sep. 2016 - Present

Skills

Languages: C/C++, Java, Assembly, Verilog

Tools and Technologies: SQLite, XML, Git, Github, MatLab, Simulink, NI MultiSim, ModelSim, Microsoft Word, Excel, Powerpoint

Miscellaneous: Excellent troubleshooting and debugging skills

Qualities: Time Management, Prioritization, Team Player, Resourceful, Strategic Thinker, Motivated, Attention to Detail, Natural Leader, Resiliency

Work Experience

- **Elecssoft Consulting Inc.** Toronto, CA
ESP(Engineering Strategies and Practices) Intern 01/2017 - 04/2018
 - Designed a 'smart weight lifting machine' to allow users to count their reps and calories burned on their phone by signing in with a QR code.
- **Elections Canada** Mississauga, CA
Information Assistant 06/2018
 - Set up and monitor polling booths, aid disabled voters, offer customer service and check valid ID.

Personal Projects

- **Inventory** 07/2018
Android Application
 - Inventory is an Android app created with Java, XML and SQLite for personal use.
 - Inventory displays your items in a catalogue and allows you to freely add, edit and delete items. It also features a search bar and a sort button to easily find items.
- **Alarm** 06/2018
Android Application
 - Alarm is an Android app created with Java and XML featuring a clock, timer and alarm.
 - Start, stop, snooze and reset alarms and timers and choose from a variety of sounds.
 - Provides custom greetings throughout the day and notifications when the alarm or timer goes off.
- **Music Player** 05/2018
Android Application
 - Music Player is an Android app created with Java and XML.
 - Offers full media controls, a volume bar and a seek bar.
- **TourPlan** 01/2018 - 04/2018
C++ Application
 - TourPlan is a GIS modeled after Google Maps featuring intuitive controls and color scheme.

- View roads, highways, waterbodies, greenery, and points of interest.
- Click on locations to receive more detailed information or search for locations in the searchbar.
- Click on two locations or search a destination to receive step-by-step driving instructions and travel time.

- **Password Authenticated Garage System** 03/2018 - 04/2018
 - *FPGA and Assembly project*
 - Project creating using the NIOS II board from Altera, LEGO motors and sensors and custom LEGO controller provided by the University of Toronto and coded using Assembly language.
 - Use a PS2 keyboard to set up a secure password and enter it when sensors are active to open the LEGO garage door.
 - LEGO garage door automatically closes after 5 seconds and sounds an alarm if password is incorrect.
- **Circuit Solver** 11/2017
 - *C++ Application*
 - Create a circuit and input a resistor network with a desired voltage source to calculate the voltage at each node in the circuit.
- **CareFinder website** 03/2017
 - *Ruby on Rails, HTML, CSS*
 - Caregiving website targetted toward the elderly, created for StarterHacks 2017.
 - Easy to use platform for elderly citizens to post jobs and chores in exchange for monetary compensation.
 - Form more tight-knit communities where younger generations can help the older generation.