



## SUMMARY OF QUALIFICATIONS

- Demonstrated proficient skills in Java through object oriented coding, applying various data structures, and writing efficient algorithms which were used to make a GUI application for an academic project
- Strong understanding of logic and code acquired through learning VHDL, C, and Java. Skills were used to make a Microprocessor Design for an academic project
- Strong accountability demonstrated through working with and supervising children in summer camp as a volunteer, also demonstrating dependability when working with teams completing various tasks given at Cineplex Entertainment and Loblaw Company Ltd
- Passionate about learning more coding languages and applying them in real life scenarios. Have made various academic projects and currently learning C++.

## TECHNICAL SKILL

- **Software Programs:** MatLab, Multisim, Auto-CAD, Code Warrior, Quartus, Microsoft Office (Excel, Word, etc.)
- **Programing Languages:** C, Java, VHDL, Assembly

## EDUCATION

**Computer Engineering B. Eng**  
*Ryerson University*

07/2017 – Present

## ACADEMIC PROJECTS

### Java GUI Banking Application

11/2019 – 12/2019

The goal was to create a simulation that resembles a bank; this would contain two types of users: Customers and Managers. This would be a GUI application coded in Java Fx, the structure of the project used state machines, array lists, exception handlers, and event handlers. At the end the user were able to login into their account and update any information they wish to change then be able to logout.

### Microprocessor Design

10/2018 – 11/2018

Using VHDL programing a microprocessor was to be designed, with the following parts: ALU, Decoder, Encoder, and other basic logic gates. After simulating the code, we uploaded it in into a real microcontroller board where the code was tested, this included using the correct pins for outputs/inputs, if binary converted to hexadecimal values in the 7-seg display, and where the display changed according to the state machines.

### Maze Following EE-Bot

11/2019 – 12/2019

After being provided with a EE-bot (robot with wheels) connected with a HCS12 microprocessor, the task was to program the bot to follow and complete the maze. Using assembly the following were created: Dispatcher, state machine, motor controls, and a photoelectric sensor reader. The code was uploaded to the microprocessor and tested in the maze.

## WORK EXPERIENCE

### Loblaw Company LTD (PC Express Clerk)

03/2019 – Present

Working as a PC Express clerk, my task was to complete grocery orders on time that were sent by customers. Coordinating in small teams allowed my colleagues and I to provide excellent service, finish the order and other tasks on time, and manage time. Taking initiative was crucial in this working environment since a lot of the time we were not under supervision of a manager, therefore whenever provided a problem my team and I would resolve it in the best way possible.

### Cineplex Entertainments (Concession Clerk)

06/2017 – 08/2017

In a small span of time I was trained to provide service as a Concession Clerk, my responsibilities included interacting with customer providing food, able to open and close the concession stand, and being able to work with cash. Although the time spent at Cineplex was short, I was able to gather experience working in a stressful environment with my colleagues.