

Josh Taraba

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Summary of Qualifications

- 5+ years of experience with programming languages like, Java, Python, C, C++, MATLAB, VHDL
- Extensive work with devices like, oscilloscopes, Simulink, multimeter, function generator

Education

B. Eng. in Computer Engineering

September 2016 – April 2021

Ryerson University - Currently enrolled in third year studies

- Relevant course work: Digital Logic, Algorithms and Data Structures, Circuit Theory, Software Systems, Discrete Mathematics, and Engineering Communications, Operating Systems, Microprocessors and Microcontrollers

Projects

ee-Bot Path Finder

November 2019

- Used assembly languages to program an ee-Bot to go through a maze forward and backward. This was done using a stack to push and pull the correct direction. Wrote a detailed technical report to achieve a grade of 94%.

Bank Account Application

October 2019

- Wrote a bank account simulation program in Java, created a GUI using JavaFX. The application allows a manager and customer to login, make withdrawals, deposits and various purchases.

Multi-Stage Amplifier

April 2019

- Designed a three stage BJT amplifier that performed correctly in accordance with design specifications. The design was tested on Multisim and a formal report was written.

Arithmetic Logic Unit Processor

December 2018

- The ALU was designed using digital logic theory and implemented on Quartus Prime. From a switchboard, it accepted user input and displayed operations such as addition and masking to a seven segment LED display.

Personal Website//www.joshtaraba.com

June 2018

- Created a personal website displaying all personal projects and links to my resume and GitHub. Made from scratch using HTML, Css, and Javascript

Technical Experience

Electrical Equipment: Oscilloscope, Function Generator, Multimeter

Programming Languages: Java, C, C++, Dart, VHDL, MATLAB, HTML, CSS, JavaScript, Python

Frameworks: Flutter, Tensorflow, Pytorch, React, Node.js, Git

Simulation Tools: Simulink, Multisim, Quartus II, Logger Pro

Work Experience

Crew Chief

May 2017 – August 2019

Student Works

St. Catharines, ON

- Supervise staff and painters, help out the clients with any problems or concerns

Shift Manager

March 2014 – August 2016

McDonald's.

St. Catharines, ON

- Investigate and resolve customer complaints of food service and quality
- Managed and supervised the floor and employees, assisted in scheduling and production ordering

Tutoring

September 2015 – June 2016

- Helped fellow students with math and computer science classes