



Experience

Towards Ahimsa - *Full Stack Developer*

Jan 2021 - Present

- Implementing web application designed to connect mentors with youth in community
- Developing visually appealing front end user interface using HTML5, CSS, JavaScript & Bootstrap
- Designing backend MySQL database to safely store all mentor data and ensure data integrity

North Pole IT Corp - *Cloud Engineer*

May - August 2019

- Developed tools for web application allowing visually impaired users interact with webpage easier
- Utilized C# for server side backend development using ASP.NET framework
- Managed cloud based systems by operating virtual machines using Microsoft Azure
- Developed frontend user interface in web app using HTML5, CSS, JavaScript & Bootstrap

McMaster University - *Maintenance Assistant*

May - August 2018

- Redesigned then implemented power system structure for street lights within parking lot (AutoCAD)
- Resolved circuitry malfunctions to restore power in electrical systems on campus
- Coordinated with electricians to maintain power on campus by troubleshooting technical issues

Projects

Remote Controlled Car (*Raspberry Pi, Python, AutoCAD*)

Summer 2020

- Designed and 3D printed chassis for car (AutoCAD) wiring up to Raspberry Pi and servo motors
- Utilized Python to program car to be controlled via bluetooth PS3 controller

TwitterBot (*Python*)

Winter 2020

- Developed bot for web scraping specific tweets and retweeting, liking tweets and following accounts
- Made use of Twitter Api, environment variables to hide authentication data and make bot more secure

Light Switch (*Raspberry Pi, Python*)

Fall 2019

- Designed a remote controlled light switch using Raspberry PI and motor to switch the lights On/Off
- Light switch controlled via bluetooth using PS3 controller and programmed using Python

Education

McMaster University - *Pursuing B.Eng, Electrical Engineering (Co-op)*

Expected April 2023

Relevant Courses: Data Structures and Algorithms, Discrete Math, Engineering Design and Graphics, Computer-Aided Engineering, Signals and Systems, Electronics Devices and Circuits

Skills

Languages: Python, Java, C++, C, C#, HTML, CSS, JavaScript, SQL, Bash, MATLAB, Assembly

Technologies: Git/Version Control, Agile, MySQL, Pandas, ASP.NET, PowerShell, TensorFlow