**EDUCATION**

Email: mike.m7@hotmail.com

Phone:

(647)-202-2875

Current Residence:

Waterloo, ON.

Hard Skills

* Object-Oriented Development
* Web Development
* Computer-aided Design
* Electrical Circuitry

Soft Skills               \_

* Communication
* Leadership
* Innovation
* Efficient Learner

Languages

* C/C++
* Python
* Java
* PHP

**MICHAEL S. MALINOWSKI**

**LinkedIn**: www.linkedin.com/in/michael-malinowski-b8967a167

**GitHub:** https://github.com/MiGi7

***University of Waterloo 2014-2019***

* Honours Science (BSc) Level IV | Pursuing Minor in Computer Science
* Intent of Pursing Second Degree in Software Engineering

**RELEVENT EXPERIENCE**

***WATFLY Aircraft Design Team |* website: www.watfly.ca Sept 2018 - Current**

* Development of a fully functional single person vertical take-off and landing vehicle for the GoFly competition
* Manage Engineering team in the Energy department, developing a lightweight and safe battery pack
* Connecting battery management system via SPI communication protocol to microcontroller
* Utilize technologies such as **Python** and **Arduino** to perform mathematical calculations and conduct temperature and voltage evaluations
* Implementation of integrated circuits and other components onto custom PCBs designed using **Altium Designer**

***Personal Server* (Available on GitHub)Jun 2018 - Aug 2018**

* Designed a login system using **PHP** and **MySQL** capable of supporting multiple clients
* Using **HTML** and **CSS** to create a web-based file transfer service
* Server was live and tested by colleagues; used Raspberry Pi and Apache with a dynamic DNS

***Android App with Machine Learning (In Development)* Feb2019 - Current**

* Using Google’s Crash Course with Tensorflow to understand machine learning principles
* Fruit and vegetable identifier with Nutrition facts via Nutritionix API
* Conducting ongoing research of potential improvements in all aspects of the application

***Autonomous Robot Competition (Sumo Bots – McMaster Chapter)* Dec 2018-Current**

* Creating an autonomous robot to compete with other robots in a sumo style fighting
* Developing a negative feedback loop creating autonomy using sensors
* Fortifying design skills by modelling the robot from scratch using **Autodesk Fusion 360**
* Extensive and rigorous testing to ensure flawless performance on competition day

**RELEVENT EDUCATION**

**Object-Oriented Software Development (C++) Jan 2019 – Current**

* Utilizing fundamentals of object-oriented software development through designing, coding, debugging medium sized programs.

**Data Structures and Types (Python) Sept 2018 – Dec 2018**

* Introduction of data structures and types through real world implementation

**Elementary Algorithm Design and Data Abstraction (C) Sept 2018 – Dec 2018**

* Strengthening the understanding of the C language through complex problems

**WORK EXPERIENCE**

***Just Temptations Delivery Associate* June 2018 – Aug 2018**

* Time management; logically organized and adhered to strict delivery schedule

**REFERENCES ARE AVAILABLE UPON REQUEST**