

# Michael Le

5331 Fallingbrook Drive, Mississauga, ON L5V 1P6 | (647) 537-9503 | le.michael88@gmail.com

## EXPERIENCE

---

### **Mississauga YMCA Centre, Mississauga, ON**

*Taekwondo Assistant Instructor, June 2016 – Jan 2019*

- Assist in teaching taekwondo for youth of ages 6-18
- Organization and distribution of equipment
- Watch for safety of participants

## EDUCATION

---

### **ST. FRANCIS XAVIER SECONDARY SCHOOL, Mississauga, ON**

*International Baccalaureate Program, Sept 2015 – June 2019*

- Completion of International Baccalaureate Diploma Program and Ontario Secondary School Diploma
- 97.3% average with English, Calculus, Advanced Functions, Data Management, Physics, and Chemistry
- Various school clubs and sports (ie. Computer Club, Math Team, Badminton)

### **UNIVERSITY OF WATERLOO, Waterloo, ON**

*Honours Bachelor of Computer Science (BCS), Sept 2019 – Present*

- Expected completion of the Honours Computer Science (co-op) program at the University of Waterloo

## PROJECTS

---

### **Tachometer using Arduinos**

- Created a working tachometer that detects the speed of rotating magnetic fields
- Made using Arduinos and programmed using C++

### **Metal Detector**

- Done as a physics project
- Made using Arduinos and C++

### **HootGuard Android Application**

- Programmed an app that detects a driver's face and predicts whether they are drowsy/distracted and alerts them
- Programmed using Java on Android Studio and the Machine Learning kit from Google's Firebase API
- A project worked on during Hack the North 2019

## AWARDS

---

Feb 2019 - Canadian Computing Competition (top 216/2719)

Nov 2018 - Canadian Open Mathematics Challenge (top 22%)

Apr 2018 - ECOO Programming Contest Board Champions

Nov 2017 - Canadian Senior Math Contest (top 322/10643)

## PROGRAMMING LANGUAGES

---

- Java – Competitive Programming
- C++ - Arduino Programming