

# Michael Li

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[www.michaelcli.com](http://www.michaelcli.com)

[www.github.com/pseudobear](https://www.github.com/pseudobear)

## EXPERIENCE

### BSS Music Council — *Software developer*

September 2019 - June 2020

- Revised and updated code bases to reduce complexity and improve functionality
- Developed web applications using Reactjs alongside 2 other developers

### Handrock Software — *Web developer*

June 2019 - September 2019

- Coded websites using HTML, CSS, JavaScript and JQuery languages
- Planned website development by creating mockups and wireframes

### Northern Karate Schools — *Instructor*

November 2018 - March 2020

- Evaluated student performance and communicated results with parents
- Separated complex techniques and concepts into simple parts to aid in student understanding

## PROJECTS

### [www.michaelcli.com](http://www.michaelcli.com) — *Ongoing*

- Personal website hosted on a DigitalOcean server
- Front-end constructed using vanilla HTML, CSS and javascript
- Experiment for custom written transitions and front-end designs

### CTF Team — *Ongoing*

- Competed in cybersecurity CTF competitions twice a week
- Solved challenges using exploits such as buffer overflow, SQL injection, PHP reverse shells, YAML exploitation
- Gained familiarity with tools such as wireshark, postman and system traces

### Instrument Sign-out App — *Spring 2019*

- React web application used for managing inventory of school-owned instruments
- Integrated a barcode system for instruments to insure integrity and improve user experience
- Developed using Firebase for rapid prototyping

## SKILLS

Front-end web development  
(HTML, CSS, JS)

Reactjs

Java

Functional programming  
(Racket)

Firebase

Graph databases (Neo4j)

Shell and vim script

Linux

Cybersecurity

## AWARDS

### CCC 2020 Senior Honour Roll

Programming competition

hosted by University of Waterloo

### CTFTime #20 Canadian Team

Ranked #20 on CTFTime (a

website for tracking CTF

performance) for Canada

### SyskronCTF 2020 top 77 of 1059

Ranked #77 in a CTF hosted by

Syskron, a German tech

company

## EDUCATION

### Bachelor's of Mathematics :

Honours mathematics,

University of Waterloo

Expected graduation : 2025

