

Michael Le

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EDUCATION

University of Waterloo, Waterloo, ON

Sept 2019 to Apr 2024 (Expected)

Candidate for Honours Bachelor of Computer Science (BCS)

- 3.89 CGPA, Fall 2020 Dean's Honour List

EXPERIENCE

Software Developer

Jan 2021 to Present

Newtopia Inc.

Toronto, ON

- Refactored client-side **React Native** android application to reduce **memory usage by 10%**
- Developed **Redux** code in **TypeScript** to manage React application state in a singular source
- Implemented support for assistive technologies to meet **WCAG accessibility** requirements

Software Engineer

May 2020 to Aug 2020

Manulife Financial – Manulife Technology Division

Waterloo, ON

- Developed a reliability monitoring framework using **Apex** and **SOQL** that helps **debug over 33%** of reported issues in Manulife's services
- Used **HTML** and **JavaScript** to develop a web application for the framework, which visualizes the logged data in tables and graphs
- Successfully handles **6000+ logs** every day in real time with no impact on server performance

PROJECTS

crowd.data (Hack the North 2020++)

Jan 2021

- Created a crowdsourcing platform where users can contribute to open-source data sets
- Integrated **DropBase API** to **instantly** upload user files to database from **Node.js** backend
- Designed website components with **React** to handle form data and file upload

COMP.GG (Liquid Hacks)

Nov 2020

- Developed web app using **JavaScript** that goes through a player's League of Legends match history and profile to accurately determine their most ideal team composition
- Built REST API endpoint with **Node.js** and **Express.js** to retrieve player data from the **Riot Games API** and calculate their most proficient characters

HootGuard (Hack the North 2019)

Sept 2019

- Produced an android application with **Java** and **XML** that detects a driver's face and predicts whether they are drowsy/distracted, successfully tested on 10+ users
- Utilized the Machine Learning kit from **Google's Firebase API** to track facial features in **real time**

SKILLS

- **Languages:** C, C++, Java, JavaScript, HTML, CSS, Apex
- **Technologies:** Salesforce, Node.js, Express.js, React, React Native, Redux, REST APIs, Git, AWS
- **Other:** Trained in Agile and Scrum, Jira, Confluence

ACHIEVEMENTS

Magna Family Scholarship 2020

1 of 20 winners in North America

Canadian Computing Competition 2019

85th Percentile (Tied for 435th out of 2719 competitors)

ECOO Programming Competition 2018

1st place out of 40 teams

Canadian Senior Math Contest 2017

96th Percentile (Tied for 322nd out of 10643 competitors)