

## Education

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### University of Waterloo / Wilfrid Laurier University

BACHELOR OF COMPUTER SCIENCE / BACHELOR OF BUSINESS ADMINISTRATION

Currently pursuing a double BCS/BBA degree.

Waterloo, Ontario

Aug. 2020 – Aug. 2025

## Work Experience

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### TakingITGlobal

SOFTWARE ARCHITECT

Toronto, Ontario (Remote)

June 2020 – Sept. 2020

- Designed and implemented full-stack architecture to facilitate the Government of Canada's youth microgrant and COVID-19 response initiatives. Websites and apps developed using **React/Gatsby** and **React Native/Expo** with a serverless **GCP** and **Firebase** backend.
- Migrated and integrated remaining legacy Smarty infrastructure to optimize internal workflows using **Airtable** and **GitHub CI**.
- Rolled out features and optimizations used by over **18,000 educators** in **6,500 schools**.
- Improved Lighthouse v6 performance metrics by **800%** while improving support for legacy browsing (IE 9+) and accessibility (i18n, WCAG AA) to target disadvantaged communities, and published lightweight open source **React** a11y toolkit.

### Canadian Partnership Against Cancer

WEB DEVELOPER

Toronto, Ontario

June 2017 – Sept. 2017

- Created a database management webapp to efficiently manage data for the national Cancer Control Strategy using a **LAMP** and **React** stack.
- Designed abstraction layer on top of **MySQL** to optimize management of related datasets for various large-scale data tracking projects.

## Projects and Volunteering

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### Double Degree Club

PRESIDENT

2020

- Elected President of Double Degree Club to represent the interests of Waterloo and Laurier students in all five years of study.
- Organized social and professional events to prepare students for success in job-seeking, exams, and other facets of their university careers.

### FraserVotes

2020

- Developed an online election platform using **Gatsby**, **Node**, **Firebase**, and **Figma** in response to school COVID-19 shutdowns.
- Bringing student council elections online resulted in a record **44% turnout**, which is a **265% increase** over historical trends.
- Featured in the *MindShare Learning Report*.

### FraserHacks

HEAD OF MENTORSHIP

2019

- Organized Mississauga's largest hackathon, with **150+ attendees**.
- Lead workshops on rapid webapp prototyping with **Firebase** and mentored individual hackers to brainstorm ideas and solve problems.

### Volunteering Peel

HEAD OF INFORMATION TECHNOLOGY

2017 – 2020

- Designed public website/private **TypeScript** webapp infrastructure to catalyze youth volunteering for **1,200+ active monthly users**.
- Implemented custom content management system using **AWS EC2**, **React**, **Node**, and **MySQL** with features like real-time editing built on top of **OAuth** and **WebSockets**.

## Honors & Awards

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2020	<b>President's Scholarship with Distinction</b> , University of Waterloo	Waterloo, Ontario
2019	<b>Top 1.3%</b> , picoCTF	Online
2019	<b>Best IoT Hack &amp; Third Place Overall</b> , Urban Hacks	Hamilton, Ontario
2018	<b>Exam Finalist, Team Business Law and Ethics</b> , DECA International Career Development Conference	Orlando, Florida