

## SKILLS

### PROFICIENT IN

C++ • C# • Python • C  
.NET • Racket • Git  
Bash • Lua • Cucumber  
CSS • HTML • Powershell  
NUnit • XUnit

### FAMILIAR WITH

React • SQLServer • JS  
PHP • Moq • Selenium  
Cassandra • Jenkins

## EDUCATION

### UNIVERSITY OF WATERLOO

4<sup>th</sup> YEAR COMPUTER SCIENCE,  
ENGLISH MINOR, CO-OP

## ACTIVITIES

### HACKATHONS

- Hacked at Hack The North & Electric City Hacks
- Mentored at Starter Hacks & UW HeForShe Equithon

### VOLUNTEER WORK

- Taught underprivileged children in India how to read & write
- Restored damaged houses in flooded villages

### UW CLUBS

- Developer for Entrepreneurship Society
- Programming teacher for UW Technovation

## EXPERIENCE

### BACK-END DEVELOPER | SHOPIFY PLUS

May 2020 – Aug 2020

### BACK-END DEVELOPER | SHOPIFY

Sept 2019 – Dec 2019

- Optimized the Point of Sale app homepage by 50% using intelligent batch loading
- Architected and developed a flexible discount system for the POS app
- Improved the efficiency of an error metric used to track the stability of deploys
- Integrated VR in the iOS POS app for Hack Days to enable merchants to demo out of stock products

### SOFTWARE DEVELOPER | NUANCE DOCUMENT IMAGING

Jan 2019 – Present

- Rewrote the BDD Python test framework to increase reliability by 90% & reduce running times by 50%
- Led a workshop on Python & behaviour driven development to train the agile team
- Implemented graceful shutdown & health check endpoints in C++ web clients to reduce calls by 30%
- Introduced integration tests in the Jenkins pipeline

### SOFTWARE DEVELOPER | NUANCE COMMUNICATIONS

Jan 2018 – April 2018

- Developed a globally used prerequisite check & installer tool
- Implemented a C# WPF diagnostic tool for broken clients & services using the Observer's design pattern
- Collaborated with teams globally to ensure a standardized look for all installers

### QA WEB DEVELOPER | UWATERLOO, CEL

May 2017 – Aug 2017

- Implemented a C# app & designed an SQLServer database using 3NF to import 1000s of email tickets
- Developed a Selenium testing framework for MVC .NET apps
- Introduced team to Moq to ensure proper unit testing & established a documentation standard.

## SIDE PROJECTS

### EASY EQUAL | C#, NUNIT

A deep equality comparison C# library to aid unit tests & help developers avoid long, repetitive equality definitions

- Used reflection to generate deep equality comparison methods
- Compatible with all data types including nested objects

### ENTREPRENEURS' DATABASE | REACT, MATERIAL-UI

An app to help connect developers & designers to startups & projects

- Developed individual project pages using React
- Developing the app as a part of the developer team of Entrepreneurship Society

### PATHWAYS | 3.JS, JS (HACK THE NORTH)

A web app that uses AR to bring abstract maps to the real world

- Designed the app & integrated camera functionality to the app