

## 🎓 Education

### University of Toronto

B.Sc Computer Science Specialist, Math Minor

Expected Dec 2020

## 📊 Experience

### Indigo Books & Music

Junior QA Developer - Indigo Search

May 2018 – August 2019

Toronto, Canada

- Developed automated back-end and front-end test scripts in Java
- Managed Azure cloud application deployments and configurations for Indigo Search
- Primarily implemented E2E and integration tests to ensure consistent data delivery to Algolia search engine
- Represented QA team in architecture planning sessions every sprint by establishing testing feasibility

### Project Include (UofT)

Session Instructor

May 2019 – August 2019

Toronto, Canada

- Instructing students from ages 8 - 18 in fundamental programming concepts using Python and Scratch
- Contributed to the initiative of helping students from low-income communities
- Organized and planned curriculum for a week long boot-camp in July for 30 students

## 🔧 Projects

### R/Place

December 2019

- Replicated R/Place collaborative project hosted by Reddit on April 2017
- Implemented a scalable AWS-based paint-program where clients are able to make changes to a shared canvas
- Application utilized ECS across 3 Fargate instances that communicated with a Redis ElastiCache
- Orchestrated deployments through CloudFormation templates
- Designed a containerized NodeJS back-end that communicated in real-time to clients via socket.io library

### URL Shortner

October 2019

- Created a web-based application where users are able to create a short cut link to a long url
- The system was hosted and scaled across 4 machines
- Had one machine as a load-balancer proxy to distribute incoming client traffic
- Used Java to run servers, Bash scripts for orchestration, and writing Python scripts to monitor data corruption and servers overall

### Mega Marker

April 2018

- Developed a full-stack MVP that implemented a student LMS system where students could manage their student courses
- Created back-end in NodeJS and the front-end in regular JavaScript using JQuery and Ajax
- Stored student data using MySQL

## ⚙️ Technical Skills

**Languages** Java, Python, Javascript, Scala, C, Bash

**Frameworks/Tools** AWS, Azure, Docker, Git, Linux, NodeJS