

## EDUCATION

### Western University

Bachelor of Engineering Science in Software Engineering

Sept 2018 to April 2022

London, ON

Relevant Courses: Data Structures and Algorithms, Database Management, Operating Systems, Computer Networking, Web Technologies, Software Construction, Human-Computer Interface Design

## TECHNICAL SKILLS

Frontend: React, Redux, Angular, Ionic, Javascript, Typescript, HTML, CSS, Sass, Bootstrap

Backend: Java, Go, Ruby, Ruby on Rails, C#, Node.js, MongoDB, PostgreSQL, Google Cloud Functions, AWS, REST

Other Tools and Testing: Git, Pandas Library, Jest, Circle CI, JIRA, Docker, Kubernetes

## WORK EXPERIENCE

### Cisco Meraki

Software Engineering Intern

Sept 2021 to Dec 2021

San Francisco, CA

- Incoming backend software engineering intern on Meraki Vision - Cameras team

### Coinbase

Software Engineering Intern

May 2021 to Aug 2021

San Francisco, CA

- Created an NDA feature from scratch that will be launched on mobile to **200,000+ Coinbase Card customers** this fall
- Programmed a payment service to securely transfer cryptocurrency from a user's account to a selected entity
- Designed relational database schema, wrote SQL queries and developed REST APIs for backend and client integration
- Built out mobile screens in React Native and set up navigation, state and custom React hooks for frontend
- Documented project in detailed technical design doc to communicate with internal and external stakeholders

### Barnacle Systems

Software Developer Intern

Sept 2020 to Dec 2020

Victoria, BC

- Shipped a new end to end mobile feature that allows customers to monitor live battery levels of sensors on boats
- Constructed API endpoints to support product deletions/resets on backend database simplifying user off boarding
- Worked on an automated command line interface tool by transferring configuration data from a HTTP web request onto firmware to **decrease installation time to 15 seconds** for customers and augment developer productivity

### Quicktab Technologies

Software Engineering Intern

April 2020 to Aug 2020

Toronto, ON

- Developed core user features and system architecture for contactless dining platform that was piloted in **2 restaurants**
- Created fully responsive frontend screens on mobile and web with modal views, animations and reusable components
- Executed asynchronous database queries to retrieve live orders while **reducing read/write operations by 60%**
- Remodelled state architecture in Redux to increase code reusability and improve data flow across entire application
- Identified customer demand for faster service speeds by triaging feedback data and scoped a live ordering feature

## TECHNICAL PROJECTS

- TA Tinder: Built application using React and MongoDB (NoSQL) to produce optimal course allocation by parsing TA data
- Course Scheduler: Built CRUD web app using Angular and LowDB (NoSQL) for scheduling university courses
- Tutor Matching: Built CRUD web app using React and MySQL (SQL) for booking and reviewing tutors
- Fredryck's Frontier: Built a platform style game in Unity using C# and object oriented programming skills

## VOLUNTEER EXPERIENCE

### FIRST Robotics Competition Team 1325 Inverse Paradox

Business Operations Captain/Mentor

Sept 2015 to Present

Mississauga, ON

- Managed 5 cross-functional sub-teams by leading the development of a competitive robot with **50+ students**
- Launched a donation drive by authoring a STEM based colouring book for youth at local hospital and 3 libraries
- Led free STEM education camps for **700 participants** partnering with 6 Canadian youth organizations and 3 schools in India
- International **FRC Deans List Winner (20/138,000)** for technical expertise and individual contribution to the team