

## Education

### University of Toronto

Computer Engineering: Artificial Intelligence Minor & Business Minor

Sept 2017 – April 2022

Canadian Citizen

## Experience

### Crabel Capital Management

June 2021 - April 2022

Full Stack Engineer Freelancer

- Analyzed csv and roi with millions of data points from simulated data using RPCs, Python and Node.js and presented the data in a responsive and user-centered dashboard with React and HighCharts
- Reduced DOM refresh frequency when interacting with chart by 90% using React methods and lazy loading
- Reduced load time for analyzing and displaying data by 96% from 20 secs to 0.8 secs by using efficient algorithms and caches

### Dataraction

Aug 2020 – April 2021

Chief Technology Officer

- Hired, coached, and led 10 developers using Agile management to build a SaaS and stand-alone live streaming platform with React (later migrated to Next.js) front end with JEST for testing
- Brought in over **1500** sign ups and **100** live viewers per event (still growing) and succeeded in helping the company get in revenue through a client contract worth **\$5000/month**
- Led team to build a fully functional Postgres and MongoDB database on Loopback 4 (Node.js framework with GraphQL) and real-time comments, polls, and reactions with WebSocket
- Initialized and maintained backend on Kubernetes cluster containerized with Docker, and later migrated to OpenShift to better log user activity for analytics

### Google

May 2020 – Aug 2020

Software Engineering Intern

- Developed a feature on Google Travel involving complex modeling in considering user behavior, impact on revenue, and creative logging to maximize feature
- Utilized complex web frameworks, RPCs (remote procedural call), and services using Java and JavaScript
- Completed the entire software engineering development process; wrote a comprehensive design doc, wrote unit tests, went through design reviews / discussions

### Google

May 2019 – Aug 2019

Software Engineering Intern

- Developed and rolled out a button for Gmail iOS which is visible in iOS App
- Implemented an entirely new interaction handler for iPad Gmail iOS using native Objective C with JavaScript with unit tests and integration tests and set the foundation for future development
- Wrote a comprehensive design doc and went through design reviews/discussions and QA review

## Projects

### Personal / Self Development Blog

wearestilddreamers.com

- Launched a blog where I share thoughts on how I approach life and my experiences with entrepreneurship
- Developed an entire MERN framework including authentication with email or google, email verification, forget password, CRUD post, 4 user roles (reader, writer, user manager, admin), email subscription

## </> Skills

●●●●● **Expert** Java, JavaScript, HTML/CSS/PHP, React, Next.js, Node.js, Express.js, MongoDB, Git, Firebase

●●●●● **Advanced** Python, Django, Objective C, Swift, Postgres, MySQL, WebSocket, RPC, Flutter

●●●●● **Intermediate** C++, C, Docker, Kubernetes, OpenShift, SpringBoot, TensorFlow, PyTorch, MATLAB