

Bruce Hong

Product-minded developer interested in making seamless, impactful products.

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EXPERIENCE

Pixlee

Full Stack Engineering Intern | Jan 2020 – May 2020

- Optimized several high-traffic **Ruby on Rails** endpoints which reduced server processing times by up to 70%
- Developed UI to support new features with **Marionette.js** and **Redis** that directly contributed to signing multiple new clients to \$10,000+ in ARR
- Improved accessibility of all consumer-facing widgets with **Marionette.js** and **jQuery** which passed external audits
- Implemented client-customizable widget localization with live previews using **Ruby on Rails**, **Marionette.js** and **PostgreSQL**

Secret Mission Software

Software Developer | Jan 2019 – Apr 2019

- Led the development of several mobile applications using **React Native** with state management frameworks such as **MobX** and **Apollo Client**
- Converted REST APIs to GraphQL with **Django** and **PostgreSQL**, reducing the average number of requested fields by ~80%
- Developed a POC search engine using **Django** with **ElasticSearch**
- Implemented SEO-friendly webpages and reusable components using **React** with **Next.js** for server-side rendering

Finastra

Software Developer | May 2018 – Aug 2018

- Implemented multi-tenancy in a suite of RESTful microservices using **Node.js/Express**, **NoSQL** and **AMQP**
- Designed and developed distributed logging modules using **Node.js** and **RxJS**, supported integration with third-party APIs
- Coordinated with DevOps to create microservice scaffolds, eliminated setup time by generating microservice templates and CI/CD pipelines
- Implemented new integration testing strategies with **Mocha/Chai** and **Cosmos SQL API** which reduced developer database costs by ~60%

PROJECTS

inCite | React, MobX

- Google Chrome extension that scrapes the user's active webpage for metadata to generate citations and store them to bibliographies

Charity Chain – Hack the North | React, Firebase, Blockmason Link

- Web app allowing donors to monitor how charities spend their donations by storing donation and transaction data on a blockchain

SKILLS

Languages:

JavaScript/TypeScript

C/C++

Python

Ruby

HTML/CSS

SQL

Tools and Frameworks:

Node.js/Express

Django

Ruby on Rails

React/React Native

Redux/MobX/Apollo Client

Backbone/Marionette.js

Microsoft Azure

jQuery

ElasticSearch

Redis

EDUCATION

University of Waterloo

Candidate for Bachelor of Computer Science | 2022

Wilfrid Laurier University

Candidate for Bachelor of Business Administration | 2022

AWARDS

Semi-Finalist, BDO New

Venture Competition | 2018

Top 32 of 300+ teams in a competition design a product, make business models and pitch it to industry experts

University of Waterloo

President's Scholarship of Distinction | 2017

95%+ early admission average