

Brandon Leung

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Skills

Languages: Python, JavaScript/TypeScript, Go, C#, Java, PHP, SQL, GraphQL

Frameworks: React, Redux, Flask, .NET, Node, Express

Tools: Docker, Kubernetes, Jenkins, Nginx, Webpack, Redis, Postgres, Apollo, Hasura, Git

Experience

Software Developer Intern, TextNow

May – Aug 2019

- Created performant login and password reset pages using **React/Redux** used by 1M+ daily users
- Launched pipeline to generate temporary test environments using **Jenkins**, **AWS ECR**, and **Kubernetes**
- Improved performance of messaging app by implementing a server-side cache, hit 40M+ times a day
- Expanded test suite to include narrow integration tests using a mock request server, decreasing testing time by 36%

Backend Developer Intern, Ceridian

Sept – Dec 2018

- Developed microservices and server-side API endpoints for new mobile client features in **C#** and **SQL**
- Refactored legacy endpoints to a shared API layer, leading to improved performance and reduced code duplication among multiple projects

Software Developer Intern, Oculys Health Informatics

Jan – Apr 2018

- Drove user adoption by 11% by implementing user activity tracking features using **Go** and **React**
- Built a proxy server to optimize data retrieval from hospital servers, reducing response time by 32%

Software Developer Intern, WalterFedy

May – Aug 2017

- Developed data visualization and internal reporting tools using **Vue** for monitoring KPIs
- Implemented tool to manage and centralize inventory data in **Python** and **OpenCV**, decreasing service response time by 60%

Community

Team Lead | UW Blueprint, TravelWise

Aug 2019 - Present

- Mentored and led interdisciplinary team to design and build a **React** and **GraphQL**-based web app
- Led a workshop for 20+ developers on creating performant web apps using hooks, code splitting, and Apollo prefetching

Product Manager | UW Blueprint, DanceFest

Apr – Aug 2019

- Led redesign of product architecture to increase reliability and usability of web and Android apps
- Collaborated with internal stakeholders to define requirements and balance feature prioritizations

Software Developer | WATonomous

Sept – Dec 2017

- Wrote script in **Python** to segment raw point cloud data for training image perception models

Education

Management Engineering, BAsC, University of Waterloo

Expected 2021

Coursework: Data Structures and Algorithms, OOP, Operating Systems, HCI, Databases, Data Mining