

Oustan Ding

oustanding.me

✉ oustan10@gmail.com

🌐 linkedin.com/in/oustanding

🐙 github.com/oustanding

Skills

Languages: TypeScript/JavaScript, Python, SQL, HTML, CSS/Sass, C, C++

Technologies and Tools: GraphQL, React, NextJS, NodeJS, Express, Django, Flask, Apollo, PostgreSQL, MongoDB, Memcached, Redux, Firebase, Git, Heroku, AWS, Docker, Postman

Education

University of Waterloo - Bachelor of Software Engineering, Honors

Sep 2019 - Apr 2024

- 94% cumulative average (3.99 GPA), 4x Dean's Honors List

Experience

Wish - Software Engineer Intern, Logistics (San Francisco, California)

Sep 2021 - Present

- Developing merchant-facing shipping and fulfillment microservices using Go, React, and GraphQL

Wish - Software Engineer Intern, Marketplace (San Francisco, California)

Jan 2021 - Apr 2021

- Rebuilt internal user management system controlling data and access of **2,700+ users** using TypeScript, React, and GraphQL, reducing **load time by 49%** and enhancing system maintainability
- Migrated roles/permissions metadata to MongoDB + Memcached to achieve single source of truth
- Built developer workflow for editing roles/permissions that automatically synchronizes database with migration file and periodically resolves errors, improving platform data integrity

OnCall Health - Full Stack Software Engineer Intern (Toronto, Ontario)

May 2020 - Aug 2020

- Developed an interface using React + Django for **20,000+ patients** to exchange documents with doctors
- Implemented a Django REST API with full unit test coverage to allow bulk editing of recurring appointments, reducing **clinics' manual work by 75%**
- Optimized PostgreSQL database through indexing, lowering query latency of a major table by 70%

Ontario Ministry of Health - Research Assistant (Toronto, Ontario)

Jul 2019 - Aug 2019

- Created a Flask dashboard for human validation of 100+ healthcare-related Tweets daily
- Decreased analytics **computation time by 83%** by migrating Tweets from pickle files to SQLite database

Projects

Richmond Centre for Disability // Accessible Parking Permit applications

May 2021 - Present

- **Technical Lead** of a team of 11 developers and designers building **software for non-profit organizations**
- Scoped and developed applicant portal and internal management app using NextJS, GraphQL, and PostgreSQL with AWS S3 + SES to process **3,400 applications** generating **\$88,000 revenue per year**

nestris // Real-time multiplayer Classic Tetris

Jul 2020 - Sep 2020

- Developed a self-sufficient **pixel analysis algorithm** to identify upcoming piece sequences 4 times per second with **99% accuracy**, enabling automated game refereeing in real time

My interests include music (pianist of 13 years), hackathons, Valorant, Classic Tetris, and Korean dramas!