

Oustan Ding

oustanding.me

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Skills

Languages: TypeScript/JavaScript, Python, Go, C++, SQL

Technologies: GraphQL, React, Next.js, Node.js, Express, Django, PostgreSQL, MongoDB, AWS, Docker

Education

University of Waterloo - Bachelor of Software Engineering, Honors

Sep 2019 - Apr 2024

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

Experience

Wish - Software Engineer Intern, Logistics

San Francisco, CA | Sep 2021 - Present

- Optimized fulfillment service app with Next.js features, enhancing SEO and accessibility
- Developing microservice using Go & GraphQL for merchants to generate and pay for shipping labels

Wish - Software Engineer Intern, Marketplace

San Francisco, CA | Jan 2021 - Apr 2021

- Rebuilt internal management dashboard and APIs controlling data of **2,700+** users using TypeScript, React, and GraphQL, reducing load time by **49%** and enhancing maintainability
- Improved integrity and speed of authorization checks by caching roles/permissions in Memcached
- Automated pipeline for updating and monitoring user permissions, saving engineers **4 hours/month**

UW Blueprint - Technical Lead

Waterloo, ON | Jan 2021 - Present

- Leading and mentoring a team of 10 developers and designers in correspondence with an NPO to build an application portal and processing system for accessible parking permits
- Scoped and executed engineering roadmap, leveraging Next.js, GraphQL, PostgreSQL, and AWS to process **2,000+** applications generating **\$88,000** of revenue per year

OnCall Health - Full Stack Software Engineer Intern

Toronto, ON | May 2020 - Aug 2020

- Developed an interface with WAI-ARIA accessibility compliance 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%**

Ontario Ministry of Health - Research Assistant

Toronto, ON | Jul 2019 - Aug 2019

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

Projects

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!