

Udy Ding

 udyding.com

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SKILLS

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

Technologies: Node.js, React, Next.js, Express, AngularJS, MongoDB, AWS, Flask, Redis, Firebase, Chai, Git, Postman

EDUCATION

University of Waterloo - Bachelor of Computer Science, Honours

Sep 2020 - Apr 2024

- 3x Dean's Honours List, 92.27% cumulative average (3.97/4.00 GPA)

EXPERIENCE

Wish 

San Francisco, CA | Jan 2022 - Apr 2022

Software Engineer Intern, Product

- Building Wish Assistant microservice using **Python + Go** with **React + Typescript** frontend to assist consumers with post-purchase requests

UW Blueprint 

Waterloo, ON | Jan 2022 - Present

Project Developer, Focus on Nature

- Working in team of 12 to develop a flexible camp booking system and internal tool with payment, email, and waitlist flows for an NPO holding **773** workshops reaching over **20000** children

OpenText 

Waterloo, ON | May 2021 - Aug 2021

Full Stack Software Developer Intern, OT Engineering

- Implemented internationalization of **10+** Core Share software widgets using **JavaScript + AngularJS** with full **Mocha + Chai** unit test coverage, personalizing Core Share for **thousands** of public and enterprise users across four global regions
- Scoped and developed new Core Share document sharing and metadata editing features using **AngularJS** and **Sails** policies to enforce permissions-based access
- Expanded file date editing feature to users of all languages with automatic configuration using **Moment.js**

PROJECTS

coda  - Quickly fill playlists by listening to exciting snippets of tracks

Aug 2021 - Present

- Developed an algorithm to find a musically exciting section from any track using Spotify API audio analysis
- Minimized API request volume and improved algorithm runtime by **96%** using **Redis** caching
- Designed and built an automatically populated track recommendation queue using **TypeScript, Next.js**, and local storage API, allowing users to listen to new songs based on items in an existing playlist

Campus Cooks  - Sell dorm-cooked meals on a marketplace for UWaterloo students

Feb 2021

- Built student meal-posting management application using **Express + MongoDB** with **Firestore** authentication
- Created landing, browse, and profile pages using **React** and **HTML/CSS** modules