





Dylan Wong

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EXPERIENCE

Talka.ai

January 2022 - April 2022

Software Engineering Intern

Toronto, Canada

- Designed and deployed a data ingestion pipeline to fetch and store customer video sales calls and metadata, used to download over 20,000 archived calls and roughly 200 new calls daily using Python and Cloud Run.
- Automated a pipeline to extract video annotations and added functionality to populate call metadata to use for dashboard features, increasing extracted text metadata coverage from 15% to 74% using Python.
- Led development for creating customer requested snippet playlist features in Python, TypeScript and React for selecting and saving highlighted text from time based video call transcripts.
- Implemented cursor pagination for various backend routes using Python and SQLAlchemy to decrease query time.

Remitbee

May 2021 - August 2021

Full Stack Developer Intern

Mississauga, Canada

- Built a business account dashboard client in React, Redux as well as created the backend GraphQL queries and mutations for employees to interact with and manage the business account info using JavaScript and Sequelize.
- Devised SQL queries to efficiently sort, join and group business and marketing data by different fields and wrote GraphQL resolvers to collect this marketing information to display.
- Built marketing dashboard pages to view user data grouped by different attributes in various charts and tables to better visualize user trends using React and Chart.js.
- Implemented an external event based server-side customer relationship system to provide marketing automation features using JavaScript and Sendinblue.

PROJECTS

Queue Platform |

February 2022 - Current

- Developed a URL redirection based queue system with the idea of handling high traffic points on websites with redirection similar to ticket or sneaker queues to enhance user experience on configured sites.
- Built features using Go, Gin, GORM and PostgreSQL, based around protecting server side routes and creating configurable queues in terms of user access throughput and duration for the configured server.
- Utilized background Goroutines to manage queue entries and provide redirect URLs with issued tokens that would be verified through configured middleware.
- Created a simple demo implementation in Next.js and tested multiple simultaneous queue entries with Selenium.

Mangrove Golf |

May 2021 - August 2021

- Created a web app that provides golf players and coaches a variety of tools to analyse golf swings and built features including sharing swing videos and recording lessons.
- Built backend features including authentication and role based access for swings and lessons using Typescript, MongoDB, GraphQL and used S3 to store swings, lesson recordings and audio.
- Developed a lesson and swing analysis feature that allows coaches to present feedback using audio synced with overlaid drawings on a recorded swing canvas using JavaScript, React and Apollo GraphQL.

SKILLS

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

Technologies: React, Node, Express, GraphQL, MongoDB, Apollo, Redux, Vue.js

Developer Tools: Git, Docker

EDUCATION

University of Waterloo

Waterloo, Canada

Candidate for Bachelor of Software Engineering

Sep. 2020 - Apr. 2025

- Cumulative Average: 90.7%