





# Dylan Wong

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## EXPERIENCE

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### Talka.ai

January 2022 - April 2022

*Software Engineering Intern*

*Toronto, Canada*

- Created, designed and deployed a data pipeline that fetches and stores video sales calls and metadata, used to download over 20,000 new customer calls and roughly 200 new calls daily using Python, Cloud Run for a serverless cloud script and Cloud Scheduler to automate daily runs.
- Developed a text annotation extraction pipeline to automate the extraction of annotations and populate call and company metadata to use for sorting and other dashboard features, increasing metadata coverage from 15% to 74% using Python and Cloud Run.
- Built snippet playlist features in Python, TypeScript and React for selecting, extracting and saving highlighted text from time based video call transcripts.
- Wrote functionality to customize filter options depending on available call data to speed up customer onboarding.
- Implemented cursor pagination for various backend routes using Python and SQLAlchemy.

### 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.
- Devised SQL queries to efficiently sort, join and group business and marketing data by different fields and wrote GraphQL resolvers to display 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.

## PROJECTS

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### Queue Platform |

February 2022 - Current

- Designed a URL redirection based queue system with the idea of handling high traffic points on websites similar to ticket purchasing queues to enhance user experience.
- Built out the platform based around key ideas are protected server side routes for the configured server, easily configurable queues in terms of user access to the configured server and no sensitive data exposed to the queue server.
- Created the queue backend using Go, Gin, GORM and PostgreSQL and the queue frontend with Next.js and React.
- Utilized background Goroutines to manage queue entries and provide redirect URLs with issued tokens that would be verified through middleware with a queue secret.
- Built a simple demo frontend in Next.js and tested multiple entries with Selenium.

### Mangrove Golf |

May 2021 - August 2021

- Created a platform that provides golf players and coaches a variety of tools and built features include securely sharing swing videos, recording lessons and analyzing swings.
- Built the backend features including authentication and role and permission based access for swings and lessons with Typescript, MongoDB, GraphQL and Node.js, used S3 to store swings and lesson recordings.
- Constructed the frontend with Apollo GraphQL, React and Material-UI.
- Developed a lesson feature that allows coaches to present swing feedback audible by synced record audio synced with swing timing and visually through drawing features through recorded canvases using raw HTML and React.

## SKILLS

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

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

**Developer Tools:** Git, Docker

## EDUCATION

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University of Waterloo

Waterloo, Canada

*Bachelor of Software Engineering*

*Sep. 2020 - Apr. 2025*

- Cumulative Average: 90.7%