Marcus Chan }

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Skills

- Frameworks/Libraries: React, Nextjs, Angular, Nodejs, Express, Tailwind, Prisma, tRPC
- Languages: HTML, CSS, JavaScript/TypeScript, MySQL
- Other: Git, Docker, AWS (S3)

Work Experience

- **Full-stack Developer Intern - WelTel Health** — 05/2022 - Present

  TypeScript, Angular, NG-ZORRO, Express, Nodejs, MySQL, Knexjs, Bookshelfjs, Docker
  - Refactored the frontend of the broadcasting feature to fix a page refreshing bug that was present for over 3 years
  - Improved the broadcasting page to make it responsive for all screen sizes
  - Improved patient and check-in filters by adding a gender and landline search to allow healthcare providers to accurately filter patients
  - Redesigned the project details page consisting of project-level configuration for an instance

Technical Projects

- **Reci One** — 06/2022 - Present

  TypeScript, Nextjs, Tailwind, NextAuth, tRPC, Prisma, MySQL, AWS (S3), Docker
  - Led a team of 2 to create a recipe cookbook web application using the t3-stack
  - Designed 12 database tables with a mixture of many-to-many and one-to-many relations
  - Created the navigation bar, recipe list page, and add recipe page
  - Setup CI/CD pipeline using GitHub Actions with Prettier, ESLint, and build test
  - Utilized Docker for local development to startup the database and minIO containers
  - Stored recipe images in Amazon S3 in production and minIO container during development

- **VR Speech Simulator - Top 3 placement for nwHacks 2023** — 01/2023

  Typescript, Nextjs, Tailwind, NextAuth, tRPC, Prisma, MySQL, React Three Fiber
  - Used the t3-stack to create a VR simulation web application to practice public speaking
  - Created the 3D environment using React Three Fiber and Blender classroom scene
  - Imported script into VR and created a transcript of the user's speech using the React Speech Recognition library for speech to text
  - Designed communication between the standalone VR headset and laptop using a polling and a queuing system
  - Hosted the web application on Vercel and database on CockroachDB

- **Inventory Tracker Web App - Avagrows** — 01/2022 - 04/2022

  JavaScript, React, React Router, Express, Postgres, Railways
  - Led a team of 5 to build an inventory tracker web application for Avagrows using React, React Router, Express, Postgres
  - Used Material Data Table to display the inventory items and table management tables
  - Designed reusable modals which reduced duplicate code
  - Implemented functionality in the frontend to search and filter by different columns based on the data type to efficiently locate inventory parts
  - Handled the authentication in the express backend with Passport.js

Education

- **B.Sc Computer Science - Software Systems** — 09/2020 - Present

  Simon Fraser University
  Expected Graduation Date: 12/2025

Other

- Worked as a Part-Time Ski Instructor at Mount Seymour for the 2018 and 2019 winter seasons and was awarded a $250 scholarship for the CSIA Level 2 certification
- Represented Zone 4 for Barebow archery in the 2018 Kamloops BC Winter Games
- Volunteers for the SFU Software Systems Student Society's Website Committee
- Enjoys VR, Archery, Skiing, and Ping Pong