

Treyson Tsen

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EDUCATION

University of Auckland

Bachelor of Science in Computer Science

Auckland, NZ

Jul. 2023

EXPERIENCE

Web Developer

UMSA (*Union of Malaysian Students in Auckland*)

Nov. 2024 – Present

Auckland, NZ

Check it out at www.umsanz.com

- Coordinated with club leadership to gather requirements and ensured the project goals met their specific needs.
- Designed a visually appealing and user-friendly website using Figma, ensuring ease of navigation and interaction.
- Used Next.js, TypeScript, HTML/CSS to build the website and Vercel for deployment and maintenance.
- Implemented smooth animations and transitions using GSAP to enhance the website's visual appeal.

Software Developer Intern

TJC (*True Jesus Church*)

Nov. 2024 – Feb. 2025

Auckland, NZ

- Developed an internal real-time speech-to-text tool in Python to transcribe live audio input to a Google Doc.
- Enhanced volunteer productivity by reducing transcription time during the AGM through the speech-to-text tool.
- Built a front-end GUI using Eel, HTML/CSS, and JavaScript for user-friendly interaction with the tool.
- Integrated Faster-Whisper and AWS API for transcription/translation and Google Docs API for real-time editing.

PROJECTS

treysontsen.com | *TypeScript, NextJS, Prismic*

Sep. 2024 – Present

[github/p0nyo/treysontsen.com](https://github.com/p0nyo/treysontsen.com)

- Created a personal portfolio website to showcase my projects and experience.
- Implemented beautiful visuals using Three.js library's 3D models and animations from the GSAP library.
- Used the Prismic CMS and webhooks to efficiently and easily manipulate data fields on the live site.

Casters Library | *Python, Flask, SQLite, Pytest*

Jul. 2024 – Oct. 2024

[github/p0nyo/casters-library](https://github.com/p0nyo/casters-library)

- Created a podcast library front-end using the Jinja templating library and HTML/CSS.
- Used the Flask micro-framework written in Python to handle requests and server-side logic.
- Implemented secure authentication using Flask-WTF, password validator, signed cookies and CSRF tokens.
- Implemented the SQLite database while using SQL Alchemy to allow for SQL queries to be done in Python.

Malaysian Mania | *Python, Flask, JavaScript*

Mar. 2024 – Jun. 2024

[github/p0nyo/malaysian-mania](https://github.com/p0nyo/malaysian-mania)

- Created a web-based implementation of Family Feud for my Malaysian club's game night event.
- Implemented Flask and the Jinja templating library with HTML/CSS and JavaScript for the front-end.
- Developed a database by using Python to process data, which was stored and organised using CSV files.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS

Frameworks: React, Node.js, Flask, Next.js

Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ

Libraries: Pytest, Three.js, GSAP