

Treyson Tsen

021-027-66399 | tsentreyson@gmail.com | linkedin.com/in/tsen | github.com/p0nyo

EDUCATION

University of Auckland

Bachelor of Science in Computer Science

Auckland, NZ

Jul. 2023

EXPERIENCE

Web Developer

Nov. 2024 – Present

UMSA (Union of Malaysian Students in Auckland)

Auckland, NZ

- Designed, developed and maintained a responsive website using Next.js, TypeScript, HTML and TailwindCSS.
- Implemented smooth animations and transitions using GSAP to enhance the website's visual appeal.
- Creating a custom CMS using Next.js API routes to help the club committee easily change the content displayed.

Software Developer Intern

Nov. 2024 – Feb. 2025

TJC (True Jesus Church)

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.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.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.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