

# Treyson Tsen

021-027-66399 | [tsentreyson@gmail.com](mailto:tsentreyson@gmail.com) | [linkedin.com/in/tsen](https://linkedin.com/in/tsen) | [github.com/p0nyo](https://github.com/p0nyo)

## PERSONAL STATEMENT

---

Computer Science student at the University of Auckland, passionate about full-stack development and automation to create practical solutions for people and communities. Strong foundation in Python and JavaScript frameworks, with hands-on experience building tools for non-profits and university clubs.

- **Skills:** Python, Java, JavaScript, TypeScript, React, Node.js, Flask, Next.js, Git/Github, Pytest, Three.js, GSAP, SQLite

## EXPERIENCE

---

- Project Member and Developer** Mar. 2025 – Present  
*CAAH (Communities Against Alcohol Harm)* Auckland, NZ
- Contributing to **Agile** sprints as part of a 6-person development team, attending biweekly standups to coordinate tasks, review progress, and ensure alignment with project goals.
  - Participated in monthly meetings with clients to review project progress and clarify requirements.
  - Built **2+** custom web scrapers using Selenium and BeautifulSoup in **Python** to parse and extract liquor license information in NZ daily from dynamic government board websites.
  - Automating email alerts for liquor license information using Python's email.mime package, eliminating the need for manual scraping and reducing effort by **100%**.
- Web Developer** | [www.umsanz.com](http://www.umsanz.com) Dec. 2024 – Present  
*UMSA (Union of Malaysian Students in Auckland)* Auckland, NZ
- Collaborated with 4 club executives across 4+ meetings to gather requirements, successfully fulfilling 83% of them through 3+ rounds of revisions to ensure alignment with project goals.
  - Designed a visually appealing and user-friendly website using **Figma**, creating 5 webpages over 3 weeks.
  - Used **Next.js**, **TypeScript**, and HTML/CSS to build a website independently over 6 weeks, achieving a 98% real experience score on Vercel for performance and user experience.
  - Implemented **20+** smooth animations using **GSAP**, enhancing the website's visual appeal and user experience.
- Software Developer** Nov. 2024 – Feb. 2025  
*TJC (True Jesus Church)* Auckland, NZ
- Developed an internal real-time speech-to-text tool in **Python** over 16 weeks to transcribe live audio input.
  - Enhanced volunteer productivity by reducing transcription time during the AGM, saving over **10+** hours of manual work per month for **5+** volunteers using the speech-to-text tool.
  - Integrated Faster-Whisper and AWS API for transcription/translation and Google Docs API for real-time editing.
  - Built a front-end GUI using Eel, HTML/CSS and JavaScript for user-friendly interaction with the tool.

## 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 SQLAlchemy to allow for SQL queries to be done in Python.

## EDUCATION

---

- University of Auckland** Auckland, NZ  
*Bachelor of Science in Computer Science and IT Management* Jul. 2023 – Present
- **Extra-Curriculars:** Social and Events Lead for UMSA, Senior Youth Leader for TJC, Project Developer for Project Magma
  - **Relevant Coursework:** Object-oriented Programming, Data Structures & Algorithms, Software Development Methodologies, Large-Scale Software Development, Human-Computer Interaction, Computer Graphics & Image Processing