

James Wong

Computer Science (AI) Undergraduate

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Summary

As a passionate tech artisan, I am dedicated to crafting the future through innovative solutions and cutting-edge technology. With a deep-rooted love for all things tech, I possess a unique blend of creativity and technical expertise that enables me to bring ideas to life and push the boundaries of innovation.

Skills

Languages: JavaScript / TypeScript, Python

Frontend: React, Vue.js, Next.js, Tailwind CSS

Backend: Laravel

Databases: PostgreSQL, pgvector

DevOps: Docker, Traefik, Cloudflare (CDN/DNS), Tailscale VPN, CrowdSec

Concepts: MVC, relational databases

Testing: Jest, React Testing Library, Cypress, Playwright

Projects

Crowdstage

Built with Laravel using MVC architecture and a relational database.

- Laravel
- MVC, relational database

Personal Portfolio

Portfolio website integrated with the Spotify API.

- Spotify API integration
- Deployed at jameswong.tech

Chrysie Chatbot

Chatbot powered by OpenAI APIs with PostgreSQL + pgvector for vector search / embeddings.

- OpenAI APIs
- PostgreSQL + pgvector

Self-Hosting Services

Self-hosted services on a VPS with secure networking and edge protection.

- VPS, Docker, Traefik
- Tailscale VPN
- Cloudflare (CDN, DNS)
- CrowdSec

Education

Asia Pacific University (APU), BSc Computer Science (Artificial Intelligence)

2022 – present

Universiti Tunku Abdul Rahman (UTAR), Foundation in Engineering

2020 – 2021

Tenby International School, IGCSE

Certifications & Honors

- Gold in IUCEL (International University Carnival on E-Learning) – 2023
- CCNA - Introduction to Networks (CISCO)

Languages

English: Fluent

Chinese: Native

Bahasa Melayu: Second Language