

# James Wong

Computer Science (AI) Undergraduate

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🌐 [www.jameswong.tech](http://www.jameswong.tech)

## 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](http://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

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**English:** Fluent

**Chinese:** Native

**Bahasa Melayu:** Second Language