

# Edward Lim

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## EDUCATION

**The University of New South Wales | Randwick, NSW**

**May 2024**

**B.S. in Computer Science** (Minor in Maths)

**Relevant Courses:** Frontend, OO Design and Program, Concepts of Programming Languages, Software Construction

## TECHNICAL SKILLS

**Programming Languages / Frameworks:** Python (Django, Bs4, Flask, re), Typescript, React, NextJs, Shell, Java, Go, C++20, C

**DevOps:** Git, Scripting, Agile (Jira), OpenAPI Documentation, Docker, Jenkins, Github Actions

**Testing:** Cypress, Jest, PyTest

## PROJECTS

**HSK 1 Word Learning App**

**February 2025**

- Minimalist SSR anonymous sessions based web application allowing users to randomly generate tests based on the 500 words in HSK 1
  - Embracing HATEOAS of REST through use of HTMX and Go
  - API documented according to OpenAPI standards
  - Local Development Environment emulated using [github.com/air-verse/air](https://github.com/air-verse/air) package and TailwindCSS CLI to watch and implement changes live
  - SQLite in WAL mode to allow for concurrent read and writes
- <https://github.com/edward-20/chinese-learning-app>

**Simple Journal App**

**September 2024**

- Journaling web application to encourage users to take small steps to mindfulness <https://zen-journal.github.io/zen-journal/>
  - Public API made with Python Flask and Unicorn; containerised with Docker and deployed on Google Cloud Run, wrapper around OpenAI endpoint (prompt engineering) to generate a prompt for the daily journal
- <https://journal-chat-backend-u7wru5pkua-ts.a.run.app/prompt>
- Schema design, row policies and triggers created for relational database hosted on Supabase platform
  - Enterprise software practices enforced with documentation, branch naming conventions, automated testing workflows and deployment via github actions
- <https://github.com/zen-journal/zen-journal>

**Waiting Management System for Restaurants via Django and React**

**April 2024**

- Full stack application to optimise restaurant operations and elevate customer experience by facilitating efficient order management, assistance requests, and bill settlement, while empowering staff with real-time order tracking and notification functionalities
- Scrum methodology to deliver the product in 3 sprints with planning, standups, demos to client and retrospectives
- React frontend using Vite build tool, Shadcn, Chakra UI, MUI, interfacing with backend via AJAX requests to RESTful API
- Django backend with Django Rest Framework library and using Django's ORM to interface with SQLite database
- Deployed on B2 VM on Microsoft Azure tenant running NGINX as reverse proxy to ASGI server Uvicorn

## EXPERIENCE & VOLUNTEERING

**Web Developer and AWS Consultant | Church Grounds | Volunteering**

**October 2024 - Present**

Volunteer wordpress development for non-profit organisation, creating an online shopping platform for coffee related products. Partaking in weekly meetings to inform team members of progress in development as well as provide consultative input on platforms and cloud solutions to employ. Utilising AWS Lightsail as a VPS to deploy Wordpress app with CPanel and WHM for web hosting management.

**Coding Tutor | AppyCoding | Casual Employment**

**June 2022 - April 2024**

After school tutoring primary school kids in Scratch programming language/game engine, Microsoft MakeCode for micro:bit and basic robotics. Explaining fundamental programming concepts such as control flow, variables, computation and memory. Encouraging self-learning and experimentation.

**Shack Tutoring | UNSW Arc | Volunteering**

**February 2022 - November 2022**

Volunteer tutor for high school students in subjects of English and Maths. Coordinating meeting times with students. Offering general advice on future prospects in education and employment.

## CERTIFICATIONS

**AWS Cloud Practitioner**

**September 2024**

Foundational, high-level understanding of AWS Cloud, services, and terminology. Knowledge of AWS EC2, EBS, S3, Lambda, VPC, RDS.

## EXTRACURRICULAR

**Quakers Hill Toastmasters**

**August 2024 - Present**

Fortnightly meetings to enhance public speaking and leadership skills. Preparing and delivering speeches, responding to impromptu questions (table topics) and giving and receiving constructive criticism to other members.