

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

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 Gunicorn; 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.