

Edward Lim

ed.lim199@gmail.com • 0412 219 089 • [linkedin.com/in/edwardlim2000](https://www.linkedin.com/in/edwardlim2000) • github.com/edward-20

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: Python (Numpy, Matplotlib, Bs4, Flask, re), React (Hooks), Shell, Haskell, Java, Go, C++20, C

DevOps: Git, Scripting, Agile (Jira), Swagger Documentation, Docker

Testing: Selenium, Cypress, Jest, PyTest

PROJECTS

Simple Journal App

September 2024

- Journalling 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>
- React SPA made with create-react-app, react-router and CSS Modules

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

MinHS Interpreter with Haskell

November 2023

- Transpiled small functional programming language MinHS to “call-by-push-value” language hindsight where programmers can elect when computation is performed through “suspending” computational expressions
- Implemented Evaluator to follow dynamic semantics defined through judgements

EXPERIENCE & VOLUNTEERING

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.