

Work Experience

University of New South Wales Casual Academic

Feb 2023 - Present

- Tutor for COMP6080: Web Front-End Programming — HTML, CSS, JavaScript, React, usability and accessibility
- Tutor for COMP2041: Software Construction: Techniques and Tools — Shell/Bash, Regex, and Python

Akuna Capital Software Development Intern - UI (Web)

Dec 2022 - Feb 2023

- Created full stack web UIs for traders using React, TypeScript, FastAPI (Python), WebSockets, and Solace, deployed using Kubernetes
- Rewrote legacy systems using modern technologies and redesigned APIs for modularity, reusability, and maintainability

University of Sydney Casual Academic

Jul 2022 - Dec 2022

- Tutor for INFO1110: Introduction to Programming — teaching programming in Python, marking, and conducting viva voces
- Topics covered: programming fundamentals, basic object-oriented programming, recursion, graph traversal/search algorithms

Canva Frontend Software Engineer Intern

Dec 2021 - Feb 2022

- Developed an internal tool to facilitate efficient evaluation of algorithms and improve workflows, using React, TypeScript, and MobX
- Significantly improved testing processes with a new pipeline improving developer productivity and reducing friction (83% less steps)
- Analysed data using SQL and Python to extract user insights in order to guide development decisions

Enrich Education Full Stack Developer

Nov 2019 - Feb 2020

- Created automated web report system for K-12 tutoring centre using Vue.js, Django REST Framework (Python), and SQLite
- Concisely visualised student performance over time against peers with interactive graphs using Chart.js

Extracurricular

UNSW Computer Science and Engineering Society (CSESoc) Project Director

Feb 2022 - Present

- Leading a team to build a [hiring management system](#) to streamline recruitment processes (applications, interviews, and results)
- Developing an MVP using React, TypeScript, Tailwind CSS, Rust, and PostgreSQL, and designing the UI/UX for various projects
- Created website for [TechSpire](#), a tech conference that quickly sold out 120 tickets and attracted several sponsor companies, with Next.js
- Created content for and presented both internal and public workshops teaching JavaScript and React concepts

Education

University of Sydney Bachelor of Advanced Computing (Computer Science)

Feb 2020 - Nov 2023

- Dean's List of Excellence · Academic Merit Prize · School of Computer Science Undergraduate High Honour Roll · E12 scholarship

Projects

KH Item Tracker Web Application

[zaxutic/kh-rando-tracker](#)

- Developed a customisable tracker for a video game series using Vue.js and TypeScript, and WebSockets powered by a Python backend
- Supports players to keep track of progress and resources, and abstracts complicated logic by making as many deductions as possible
- Used by thousands of people around the world (Cloudflare analytics)

Twitch Colours Web Application

[zaxutic/colours](#)

- Developed a full stack web application using Vue.js, Django, and SQLite, integrating with the Twitch OAuth 2.0 flow for user authentication
- Used Celery and Redis to asynchronously connect to Twitch using user OAuth tokens to dynamically change the user's colour

Competitions

2022 **UNSW SecSoc x Skylight Cyber CTF**, 5th place — 3rd highest individual competitor

2022 **USYD GDSC Algothon Upper Division Programming Competition**, 6th place

2020 **Atlassian x UNSW SecSoc 2020 CTF**, 4th/83 — highest scoring team with first year students

Skills

Languages JavaScript/TypeScript · Python · Java · C · Rust · HTML/CSS · Shell/Bash · SQL

Frontend React · Mobx · Vue.js + Vuex · TailwindCSS · Stitches · SASS/SCSS

Backend tRPC · FastAPI · Flask · Django · PostgreSQL · MongoDB

Other Docker · Figma · Git · Unix/Linux · Nginx · Apache/HTTPD · CI/CD