Michael Vo

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF SYDNEY

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Education

University of Sydney   *Sydney, AU*
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

Industry Experience

Akuna Capital   *Sydney, AU*
SOFTWARE DEVELOPMENT INTERN - UI (WEB)   *Dec 2022 - Feb 2023*
- Created full stack web-based UIs for traders using **React**, **TypeScript**, and **FastAPI** (**Python**), deployed to **Kubernetes**

Canva   *Sydney, AU*
FRONTEND SOFTWARE ENGINEER INTERN   *Dec 2021 - Feb 2022*
- Developed an internal tool to facilitate the efficient evaluation of algorithms and improve workflows, using **React**, **TypeScript**, and **MobX**
- **Significantly improved testing processes** with a new pipeline to improve developer productivity and reduce friction (**83% reduction** in steps)
- Analysed data using **SQL** and **Python** to extract user insights in order to guide development decisions

Enrich Education   *Sydney, AU*
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 the rest of their classes with interactive graphs using **Chart.js**

University Experience

University of New South Wales   *Sydney, AU*
CASUAL ACADEMIC   *Feb 2023 - Present*
- Tutor for **COMP6080: Web Front-End Programming** — teaching classes, running help sessions, and marking

University of Sydney   *Sydney, AU*
CASUAL ACADEMIC   *Jul 2022 - Dec 2022*
- Tutor for **INFO1110: Introduction to Programming** — teaching programming in Python to classes of 20, marking, and conducting viva voces

UNSW Computer Science and Engineering Society (CSESoc)   *Sydney, AU*
PROJECT SUBCOMMITTEE MEMBER, PROJECT DIRECTOR   *Feb 2022 - Present*
- Leading a team to build a hiring management system using **React**, **TypeScript**, **Tailwind CSS**, **Rust**, and **PostgreSQL**
- 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

Projects

KH Item Tracker   🏠 *Website*
WEB APPLICATION   🐙 *GitHub*
- Developed a customisable tracker for a video game series using **Vue.js** and **TypeScript**, and **WebSockets** powered by a **Python** backend
- **Used by thousands of people** around the world (Cloudflare analytics)

Twitch Colours   🏠 *Website*
WEB APPLICATION   🐙 *GitHub*
- 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 IRC servers with OAuth tokens, to dynamically change the user's username colour

Competitions

2022 **UNSW SecSoc x Skylight Cyber CTF**, 5th place — *3rd highest individual competitor*   *Sydney, AU*
2022 **USYD GDSC Algothon Upper Division Programming Competition**, 6th place   *Sydney, AU*
2020 **Atlassian x UNSW SecSoc 2020 CTF**, 4th/83 — *highest scoring team with first year students*   *Sydney, AU*