

Michael Vo

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF SYDNEY

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Experience

Canva

Sydney, AU

FRONTEND SOFTWARE ENGINEER INTERN

Dec 2021 - Feb 2022

- Developed an internal tool to facilitate the efficient evaluation of an algorithm 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)
- Automatically generated HTML-based static test reports to enable the seamless evaluation of results
- 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**, and **SQLite**
- Concisely visualised student performance over time against the rest of their classes with interactive graphs using **Chart.js**
- Automatically emailed summarised reports created with **Matplotlib** at the end of each term to parents of each student
- **Significantly improved internal processes** for efficiency, accuracy, and reliability, **increasing satisfaction of both staff and customers**

Projects

KH Item Tracker

🏠 Website

WEB APPLICATION

📄 GitHub

- Developed a customisable tracker for progress in “randomiser” mods for a video game series using **Vue.js** and **TypeScript**
- Used **WebSockets** powered by a **Python** backend for synchronisation between clients
- **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

x2017

📄 GitHub

UNIVERSITY PROJECT | 98.53%

Systems Programming

- Implemented in **C** a virtual machine, disassembler, and assembler in **Python** for an assembly language with a “backwards” non-byte-aligned binary format
- Implemented small programs directly in **assembly** for end-to-end tests

Extracurricular

UNSW Computer Science and Engineering Society (CSESoc)

Sydney, AU

PROJECTS SUBCOMMITTEE MEMBER

Feb 2022 - Present

- Working in a team on the **React** frontend for an in-house hiring management system that will streamline subcommittee recruitment
- Developing an MVP for the initial release, and designing the UI/UX for the next version of the website’s frontend based on user requirements

USYD GDSC Algothon

2022

ALGORITHMIC PROGRAMMING COMPETITION

Google Developer Student Club, USYD

- Placed **6th** in the **upper division** of an algorithmic programming competition, run by the University of Sydney Google Developer Student Club
- Solved complex problems in a timed environment, facing against top talent

4th/83 — Atlassian x SecSoc 2020 CTF

2020

CYBERSECURITY COMPETITION

Atlassian, University of New South Wales

- Placed **4th** out of **83 teams** in a 2 day cybersecurity capture-the-flag competition, run by Atlassian and the UNSW Security Society
- Team was 50% composed of first year students, the **highest scoring team with members this young**

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
- Weighted Average Mark: 83.7%