Michael **Vo**

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF SYDNEY

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Education

University of Sydney *Sydney, AU*

BACHELOR OF COMPUTING (COMPUTER SCIENCE) *Feb 2020 - Nov 2022*

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

Experience

UNSW Computer Science and Engineering Society (CSESoc) *Sydney, AU*

PROJECTS SUBCOMMITTEE MEMBER *Feb 2022 - Present*

- Working on the React frontend for an in-house hiring management system as part of a team

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
- Analysed data using SQL and Python to extract user insights in order to guide development decisions

Enrich Education *Sydney, AU*

FULL STACK DEVELOPER *Dec 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

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 a virtual machine, objdump, and an assembler for an assembly language with a "backwards" non-byte-aligned binary format
- Optimised for a final compiled virtual machine binary size of under 10 KiB

ProcChat *Systems Programming*

UNIVERSITY PROJECT | 100% *2021 Semester 1*

- Created a concurrent localised chat server in C using inter-process communication with named pipes
- Thoroughly tested through unit and end-to-end tests using CMocka

Competitions

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

Perfect Score — **National Computer Science School Competition** *2018*

PYTHON PROGRAMMING COMPETITION *Australian Computing Academy*

- Received a perfect score in a 5 week high school programming competition with thousands of global competitors