

# Michael Vo

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF SYDNEY

✉ michael@zaxu.xyz | 🏠 zaxu.xyz | 📺 Zaxutic | 🌐 michael--vo

## Experience

### University of Sydney

CASUAL ACADEMIC

Sydney, AU

Jul 2022 - Present

- Tutor for INFO1110: Introduction to Programming

### Canva

FRONTEND SOFTWARE ENGINEER INTERN

Sydney, AU

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

### Enrich Education

FULL STACK DEVELOPER

Sydney, AU

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**
- **Significantly improved internal processes** for efficiency, accuracy, and reliability, **increasing satisfaction of both staff and customers**

## Projects

### KH Item Tracker

WEB APPLICATION

🏠 Website

📄 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

WEB APPLICATION

🏠 Website

📄 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

UNIVERSITY PROJECT | 98.53%

📄 GitHub

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)

PROJECTS SUBCOMMITTEE MEMBER

Sydney, AU

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

## Competitions

2022 **5<sup>th</sup> place — 3<sup>rd</sup> highest individual competitor**, UNSW SecSoc x Skylight Cyber CTF Hacking Competition

Sydney, AU

2022 **6<sup>th</sup> place**, USYD GDSC Algothon Upper Division Programming Competition

Sydney, AU

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

Sydney, AU

2018 **Perfect Score**, National Computer Science School Challenge Programming Competition

Sydney, AU

2016 **Distinction**, National Computer Science School Challenge Programming Competition

Sydney, AU

## Education

### University of Sydney

BACHELOR OF ADVANCED COMPUTING (COMPUTER SCIENCE)

Sydney, AU

Feb 2020 - Nov 2023

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