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 · $5950 scholarship + early conditional entry offer (E12) · Dalyell Scholar

Experience

Canva
Sydney, AU

FRONTEND SOFTWARE ENGINEER INTERN
Dec 2021 - Feb 2022

- Developing an internal tool to facilitate the efficient evaluation of an algorithm and improve workflows, using React, TypeScript, and MobX

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 with user authentication
- Concisely visualised student performance over time against the rest of their classes with interactive graphs using Chart.js

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

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's IRC servers with OAuth tokens, to dynamically change the user's username colour

Marks Tracker
GitHub

WEB APPLICATION
2021

- Designed and developed a web application for recording university marks, built with React, TypeScript, Mobx, and Tailwind CSS
- Generates and displays graphs of marks for each course using Chart.js

x2017
GitHub

UNIVERSITY PROJECT | 98.53%
Systems Programming, 2021 Semester 1

- Implemented a virtual machine, objdump, and an assembler for an assembly language with a "backwards" non-byte-aligned binary format

C-to-Python Transpiler
Intro to Programming (Advanced)

UNIVERSITY PROJECT | HIGH DISTINCTION
2020 Semester 1

- Created a transpiler to convert basic C programs to equivalent Python programs, in Python

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

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

Skills

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

Web React · Mobx · Vue.js + Vuex · Django/Django REST Framework · SCSS

Other Git · Unix/Linux · Nginx · Apache/HTTPD · CI/CD · Unit & E2E Testing