# Mica Vo

Software Engineer · Computer Science Major · University of Sydney

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## Work Experience

**Snap Inc.**   Software Engineer                                                                                      *Dec 2023 – Present*
- Implemented and launched group call invites on iOS and Android, increasing group invite shares by 40%
- Created a post-call survey, enabling valuable insights into common issues users face with voice and video calls, uncovering 2 new trends
- Rewrote legacy core calling components from C++ in TypeScript to improve maintainability and developer productivity
- Languages primarily used: TypeScript (React-like internal mobile UI framework), Kotlin, Swift, and Objective-C

**Akuna Capital**   Software Development Intern - UI (Web)                                                            *Nov 2022 – Feb 2023*
- Created full stack web UIs for traders using React, TypeScript, FastAPI (Python), WebSockets, and Solace, deployed using Kubernetes
- Rewrote legacy systems using modern technologies and redesigned APIs for modularity, reusability, and maintainability
- Redesigned old UIs to be more usable, intuitive, and efficient, while minimising overhead and transition cost based on user feedback

**Canva**   Frontend Software Engineer Intern                                                                         *Dec 2021 – Feb 2022*
- Developed an internal tool to facilitate efficient evaluation of algorithms and improve workflows, using React, TypeScript, and MobX
- Significantly improved testing processes with a new pipeline improving developer productivity and reducing friction (83% less steps)
- Analysed data using SQL and Python to extract user insights in order to guide development decisions

**University of New South Wales**   Casual Academic                                                                   *Feb 2023 – Dec 2023*
- Tutor for COMP6080: Web Front-End Programming — HTML, CSS, JavaScript, React, usability and accessibility
- Tutor for COMP2041: Software Construction: Techniques and Tools — Shell/Bash, Regex, and Python
- Contributed features, UX improvements, and bugs fixes to marking webapp using Next.js + TypeScript to increase marking efficiency

**University of Sydney**   Casual Academic                                                                            *Jul 2022 – Dec 2022*
- Tutor for INFO1110: Introduction to Programming — programming fundamentals (Python), recursion, graph traversal/search algorithms

## Extracurricular

**UNSW Computer Science and Engineering Society (CSESoc)**   Project Director                                          *Feb 2022 - Sep 2023*
- Led a team to build a hiring management system using React, TypeScript, TailwindCSS, Rust, and PostgreSQL
- Created website for TechSpire (2022), an industry tech conference, using Next.js
- Helped design the UI/UX for various projects using Figma and contributed various features and fixes

## Education

**University of Sydney**   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

## Projects

**KH Item Tracker**   Web Application                                                                                 *zax-xyz/kh-rando-tracker*
- Developed a customisable tracker for a video game series using Vue.js and TypeScript, and WebSockets powered by a Python backend
- Aids players to keep track of progress and resources, and abstracts complicated logic by making as many deductions as possible
- Used by thousands of people around the world (Cloudflare analytics)

**Twitch Colours**   Web Application                                                                                  *zax-xyz/colours*
- 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 using user OAuth tokens to dynamically change the user's colour

## Competitions

2023   **UNSW SecSoc 2023 Hackoween CTF,** Second Place
2023   **WIT Hackathon 2023,** Second Place | *Next.js, tRPC, TypeScript, Tailwind, Prisma*
2023   **SYNCS HACK 2023,** Atlassian Award for Best Social Impact | *Next.js, tRPC, TypeScript, Tailwind, Prisma*
2022   **UNSW SecSoc x Skylight Cyber CTF,** 5$^{th}$ place — *3$^{rd}$ highest individual competitor*
2020   **Atlassian x UNSW SecSoc 2020 CTF,** 4$^{th}$/83 — *highest scoring team with first year students*