

Kaiqi Liang

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EDUCATION

Master of Information Technology

University of Western Australia (UWA)

📅 February 2022 – December 2023

WAM: 81.250 Extracurriculars:

- 2022: Computer Science Student Club (CSSC) Posgraduate Representative, UWA Student Guild International Student Department Liaison Committee

Bachelor of Computer Science

University of New South Wales (UNSW)

📅 February 2018 – December 2021

WAM: 78.042 Extracurriculars:

- 2021: Computer Science and Engineering (CSE) Society Executive, CSE Student Representative
- 2020: CSE Revue Social Director
- 2019: CSE Society Peer Mentor, CSESoc Media Subcommittee

Achievements

- **100 (=1st)** - COMP3121
Algorithms & Programming Techniques
- **99 (=1st)** - COMP1521
Computer Systems Fundamentals
- **98 (2nd)** - COMP2511
Object-Oriented Design & Programming
- **94 (2nd)** - COMP2121
Microprocessors & Interfacing
- **94** - COMP1531
Software Engineering Fundamentals
- **90** - COMP2521
Data Structures and Algorithm
- **90** - COMP6080
Web Front-End Programming
- **87 (=4th)** - CITS5501
Software Testing & Quality Assurance
- **87** - ELEC4406
Digital System Design

SKILLS

Web Development

HTML CSS JavaScript TypeScript
React MoBX Vue

Programming Languages

C C++ C# Java
Python R Rust Perl
VHDL Assembly Shell Script SQL
MATLAB Dafny

Other Technologies

AWS Git TensorFlow scikit-learn
OpenGL Unity Unreal Engine

EXPERIENCE

Academic Tutor

UNSW School of Computer Science & Engineering

📅 February 2019 – Present

- Explain technical concepts and go through coding questions in tutorials
- Guide students through the problem-solving and debugging process in computer laboratories and during help sessions
- Develop assignments and tutorials exercises

Software Engineer Intern (Backend)

Google

📅 November 2022 – February 2023

- Provide the Backend service in **C++** to support GIFs in the ChromeOS Emoji Picker by calling the **Tenor API**

International Student Engagement Ambassador

UWA Office of Deputy Vice-Chancellor (Education)

📅 August 2022 – November 2022

- Wrote a **Python** script that invokes a **node.js** script to streamline the process of cross checking student information and their bank details using the **pandas** library and the **pdf-parse** node module
- Organised excursions and social events tailored for international students

NuraGili Indigenous Tuition Program Tutor

UNSW Faculty of Deputy Vice-Chancellor (Academic)

📅 September 2022 – November 2022

- Provided supplementary, tailored one-on-one academic assistance for Aboriginal students in Digital Circuits and Systems (COMP3222) which uses **VHDL** and Solving Modern Programming Problems with **Rust** (COMP6991)

Professional Computing (CITS3200) Project Auditor

UWA School of Physics Maths & Computing

📅 August 2022 – November 2022

- Attended team meetings and commented on team processes
- Checked the veracity of claimed hours against evidence on **GitHub**

Software Engineer Intern (Frontend)

Canva

📅 December 2021 – February 2022

- Enhanced existing feature on Canva with added functionality to improve user experience
- Followed Canva frontend design patterns to produce good quality and consistent code in **React TypeScript** with **MobX**

PROJECTS

🔗 Tax Calculator

- A calculator that determines the tax category and the amount of tax withheld based on your income salary
- Built frontend in **React TypeScript** and deployed on **GitHub.io**, backend in **TypeScript** and deployed on **Google App Engine**

🔗 Chrome Extension

- A Chrome Extension for YouTube that removes distracting features
- Built in **TypeScript** and compiled to **Vanilla JavaScript** before publishing to **Chrome Web Store**