

Kaiqi Liang


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EDUCATION

Master of Information Technology

University of Western Australia (UWA)


 February 2022 – December 2023

WAM: 83.25 Extracurriculars:

- 2023: CSSC Vice President, ICPC
- 2022: 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: CSESoc Executive, Student Representative
- 2020: CSE Revue Social Director
- 2019: CSESoc 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

Programming Languages

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

Web Development

HTML	CSS	JavaScript	TypeScript
React	MoBX	Vue	

Other Technologies

AWS	Git	Docker	PowerBI
ROS	Unity	Unreal Engine	OpenGL

EXPERIENCE

Software Engineer Intern (Backend)

Google

 28 November 2022 – 17 February 2023

- Attracted media attention as featured in several news articles by adding GIFs in ChromeOS Emoji Picker
- Provided the Backend service in **C++** as a wrapper for the **Tenor API**
- Implemented Frontend features in **TypeScript** to interact with Backend

Software Engineer Intern (Frontend)


Canva

 13 December 2021 – 25 February 2022

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

Academic Tutor

UNSW School of Computer Science & Engineering

 18 February 2019 – Present

- Taught over 500 students technical concepts across 15 different courses
- Developed exams and tutorials that are used by thousands of students

Nura Gili Indigenous Tuition Program Tutor


UNSW Faculty of Deputy Vice-Chancellor (Academic)

 20 September 2022 – Present

- Provided supplementary, tailored academic assistance for Aboriginal students in Digital Circuits and Systems (**VHDL**), Extended Operating Systems (**C**) and Solving Modern Programming Problems with **Rust**

Professional Computing (CITS3200) Project Auditor

UWA School of Physics, Maths & Computing

 25 July 2022 – 24 October 2022

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

International Student Engagement Ambassador

UWA Office of Deputy Vice-Chancellor (Education)

 15 July 2022 – Present

- Reduced the time International Student Support Team spends on the manual process of cross-checking student information every week from 2 hours to 15 minutes by utilising the **pandas Python library** and the **pdf-parse TypeScript node module**
- Organised excursions and social events tailored for international students

PROJECTS

Tax Calculator

- A calculator that determines the tax category and the amount of tax withheld based on your income salary
- Built the 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**