Kaiqi Liang

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EDUCATION

Master of Information Technology
University of Western Australia (UWA)

28 February 2022 – December 2023

WAM: 82.5   Extracurriculars:

- 2023: Computer Science Student Club (CSSC) Vice President, UniMentor, South Pacific ICPC Preliminary Contest 32nd
- 2022: CSSC Posgraduate Representative, UWA Student Guild International Student Department (ISD) Liaison Committee

Bachelor of Computer Science
University of New South Wales (UNSW)

26 February 2018 – 16 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 Techiques
- 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 Algorithms
- 90 - **COMP6080** Web Front-End Programming
- 87 (=1st) - **CITS5504** Data Warehousing
- 87 (=4th) - **CITS5501** Software Testing & Quality Assurance
- 87 - **ELEC4406** Digital System Design
- 86 - **CITS5003** Cloud Computing

SKILLS

Software Engineering

C++	Rust	TypeScript	JavaScript
C	C#	Java	Swift
Perl	Dafny	Assembly	Shell Script

Data Science

Python	R	MATLAB	SQL
Prolog	Neo4j	PowerBI	Machine Learing

Other Technologies

Git	Docker	AWS	VHDL
HTML	CSS	React	Vue
ROS	OpenGL	Unity	Unreal Engine

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**

Resident Advisor
UWA Trinity Residential College

15 July 2023 – Present

- Act as a leader and manager for a designated Wing within the College
- Welcome new residents and ensure they are settled in comfortably
- Undertake after-hours administration and management of the College

International Student Engagement Ambassador
UWA Office of Deputy Vice-Chancellor (Education)

15 July 2022 – Present

- Reduced the time International Student Support Team spends cross-checking student information every week from 2 hours to 15 minutes by automating the process with a **TypeScript** and **Python** script
- 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**