Kaiqi Liang

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EDUCATION

Master of Information Technology

University of Western Australia (UWA)

📅 February 2022 – May 2024

WAM: 83.25   Extracurriculars:

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

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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 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 Algorithsm
- **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

Git	AWS	TensorFlow	scikit-learn
OpenGL	Unity	Unreal Engine	Docker

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 the Backend

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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**

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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

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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**

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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**