

# Kaiqi Liang

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## EDUCATION

### Master of Information Technology

University of Western Australia (UWA)

📅 February 2022 – December 2023

WAM: 82.5    Extracurriculars:

- 2023: Computer Science Student Club (CSSC) Vice President, South Pacific ICPC Preliminary Contest
- 2022: CSSC Posgraduate Representative, UWA Student Guild International Student Department (ISD) 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 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
Neo4j	PowerBI	ML	NLP

### 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**