


# Kaiqi Liang

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 [github.com/Kaiqi-Liang](https://github.com/Kaiqi-Liang)

## EDUCATION

### Master of Information Technology

University of Western Australia (UWA)


 February 2022 – May 2024

WAM: 81.250 Extracurriculars:

- 2022: Computer Science Student Club (CSCS) 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	Docker

## EXPERIENCE

### Software Engineer Intern (Backend)

Google

 November 2022 – 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

### Software Engineer Intern (Frontend)

Canva

 December 2021 – 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

 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)

 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

### International Student Engagement Ambassador

UWA Office of Deputy Vice-Chancellor (Education)

 August 2022 – November 2022

- 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