

# Kaiqi Liang

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📍 Perth, Western Australia

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🌐 <http://kaiqi-liang.web.app/>

🐙 [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) Postgraduate 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

- Provided the Backend service in **C++** to support GIFs in the ChromeOS Emoji Picker by calling the **Tenor API**
- Implemented Frontend features in **TypeScript** to call the Backend service

### 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 exam, assignment and tutorial questions that are used to assess over 1000 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 from 2 hours to 15 minutes per week by utilising the **pandas Python library** and the **pdf-parse 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**