

# Kaiqi Liang

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## EDUCATION

### Master of Information Technology

University of Western Australia (UWA)

📅 February 2022 – December 2023

WAM: 79.250      Extracurriculars:

- 2022: Computer Science Student Club (CSSC) Posgraduate Representative

### 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 Algorithmism
- 90 - COMP6080  
Web Front-End Programming
- 87 (=4th) - CITS5501  
Software Testing & Quality Assurance

## 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            Unity            Unreal Engine  
OpenGL    TensorFlow    scikit-learn

## EXPERIENCE

### Academic Tutor

UNSW School of Computer Science & Engineering

📅 February 2019 – Present

- Explain technical concepts and go through coding questions in tutorials
- Guide students through the problem-solving and debugging process in computer laboratories and during help sessions
- Develop assignments and tutorials exercises

### Software Engineer Intern (Backend)

Google

📅 November 2022 – February 2023

- Created a backend API in C++ to support emojis on Chrome OS

### International Student Engagement Ambassador

UWA Office of Deputy Vice-Chancellor (Education)

📅 August 2022 – November 2022

- Wrote a Python script that invokes a node.js script to streamline the process of cross checking student information and their bank details using the pandas library and the pdf-parse node module
- Organised excursions and social events tailored for international students

### NuraGili Indigenous Tuition Program Tutor

UNSW Faculty of Deputy Vice-Chancellor (Academic)

📅 September 2022 – November 2022

- Provided one-on-one academic assistance for 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

### Software Engineer Intern (Frontend)

Canva

📅 December 2021 – February 2022

- Enhanced existing feature on Canva with added functionality to improve user experience
- Followed Canva frontend design patterns to produce good quality and consistent code in React TypeScript with MobX

## PROJECTS

### 🔗 Tax Calculator

- A calculator that determines the tax category and the amount of tax withheld based on your income salary
- Built 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