Kaiqi Liang

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EDUCATION

Master of Information Technology

University of Western Australia (UWA)

📅 February 2022 – December 2023

WAM: 79.250   Extracurricular:

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

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Bachelor of Computer Science

University of New South Wales (UNSW)

📅 February 2018 – December 2021

WAM: 78.042   Extracurricular:

- 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

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 **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

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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)

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

🔗 https://kaiqi-liang.github.io/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

🔗 http://bit.ly/YoutubeDistractionDisabler

- A Chrome Extension for YouTube that removes distracting features
- Built in **TypeScript** and compiled to **Vanilla JavaScript** before publishing to **Chrome Web Store**