Kaiqi Liang

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EDUCATION

Master of Information Technology

University of Western Australia (UWA)

February 2022 – December 2023

WAM: 81.250   Extracurriculars:

- 2022: Computer Science Student Club (CSSC) Posgraduate Representative, UWA Student Guild International Student Department Liaison Committee

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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 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
- 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	

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++** for 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

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NuraGili 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**

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**