

Kaiqi Liang

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EDUCATION

Master of Information Technology

University of Western Australia (UWA)


 February 2022 – May 2024

WAM: 81.250 Extracurriculars:

- 2022: Computer Science Student Club (CSSC) 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

Git	AWS	TensorFlow	scikit-learn
OpenGL	Unity	Unreal Engine	Docker

EXPERIENCE

Software Engineer Intern (Backend)

Google

 28 November 2022 – 17 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

 13 December 2021 – 25 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

 18 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)

 20 September 2022 – Present

- Provided supplementary, tailored academic assistance for Aboriginal students in Digital Circuits and Systems (VHDL), Extended Operating Systems (C) and Solving Modern Programming Problems with Rust

Professional Computing (CITS3200) Project Auditor

UWA School of Physics, Maths & Computing

 25 July 2022 – 24 October 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)

 15 July 2022 – Present

- 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