







Kaiqi Liang

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EDUCATION

Master of Information Technology

University of Western Australia (UWA)

28 February 2022 - 19 December 2023

WAM: 84.417 Extracurriculars:

- 2023: Computer Science Student Club (CSSC) Vice President, Quantitative Finance UWA (QFin) Trading Team, UniMentor, 32nd in the South Pacific ICPC Preliminary Contest
- 2022: CSSC Postgraduate Representative, UWA Student Guild International Student Department (ISD) Liaison Committee

Bachelor of Computer Science

University of New South Wales (UNSW)

26 February 2018 - 16 December 2021

WAM: 78.042 Extracurriculars:

- 2021: School of Computer Science & Engineering (CSE) Student Representative, CSESoc Executive
- 2020: CSE Revue Social Director
- 2019: CSE Peer Mentor, CSESoc Media Committee

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
- 92 (2nd) - CITS5507 High Performance Computing
- 92 (3rd) - CITS3005 Knowledge Representation
- 90 - COMP2521 Data Structures and Algorithms
- 90 - COMP6080 Web Front-End Programming
- 87 (=1st) - CITS5504 Data Warehousing
- 87 (=4th) - CITS5501 Software Testing & Quality Assurance
- 87 - ELEC4406 Digital System Design
- 86 (3rd) - CITS3006 Penetration Testing
- 86 - CITS5003 Cloud Computing
- 84 - AUTO4508 Mobile Robots
- 83 (3rd) - CITS3007 Secure Coding
- 83 (7th) - CITS4009 Computational Data Analysis

SKILLS

Programming Languages

C	C#	C++	Objective C
Swift	Rust	Java	TypeScript
Haskell	Dafny	Assembly	Shell Script

Data Science

R	Python	Prolog	Machine Learning
MATLAB	PowerBI	SQL	Graph Databases

Other Technologies

Git	Docker	AWS	VHDL
HTML	CSS	React	Vue
ROS	OpenGL	Unity	Unreal Engine

PROJECTS

Discord Bot

- A Discord Bot that reminds all members in a server when a new LeetCode Daily question releases and congratulates anyone for sharing their code
- Built in Rust and deployed on an Oracle Cloud compute instance running as a background task

iOS App

- An iOS App that replicates a card game called What's Your Story
- Built in Objective C and UIKit, launched onto a real iPhone

Chrome Extension

- A Chrome Extension for YouTube that removes distracting features
- Built in TypeScript, compiled to Vanilla JavaScript then published to Chrome Web Store with hundreds of users and 5 star positive review

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

EXPERIENCE

Mobile Software Engineer

TikTok

5 February 2024 - Present

- Implement TikTok Live Interaction UI features in Objective C and Swift based on Figma designs
- Collaborate with Android, Backend and Frontend developers to meet requirements from the Product Managers in a synchronised manner

Academic Tutor

UNSW

18 February 2019 - Present

- Involve in teaching and creating content for 20 different programming related courses impacting tens of thousands of students
- Provide supplementary, tailored one-on-one academic assistance for Aboriginal students in Digital Circuits and Systems (VHDL), Extended Operating Systems (C) and Solving Modern Programming Problems with Rust under the Nura Gili Indigenous Tuition Program

Software Engineer Intern

IMC Trading

27 November 2023 - 2 February 2024

- Wrote C++ to handle a new feed protocol from the stock exchange
- Simulated trading Futures and ETFs by building an auto trader in Rust and Python

Software Engineer Intern

Google

28 November 2022 - 17 February 2023

- Attracted media attention as featured in several news articles by adding GIFs in ChromeOS Emoji Picker
- Provided Backend services in C++ as a wrapper for the Tenor API
- Implemented Frontend features in TypeScript to interact with Backend

Software Engineer Intern

Canva

13 December 2021 - 25 February 2022

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