Kaiqi Liang

- (61) 424180285
- Perth, Western Australia
- linkedin.com/in/kaiqiliang
- kaiqi.liang@outlook.com
- http://kaiqi-liang.web.app/
- github.com/Kaiqi-Liang

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 Techiques
- 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++	Rust	Java	TypeScript
C	C#	Swift	Haskell
Perl	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

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

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

cvsectionEXPERIENCE Academic Tutor
UNSW

📅 18 February 2019 - Present

- Involving in teaching and developing content for 17 different courses under the School of Computer Science & Engineering impacted thousands of students
- Providing 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

Mobile Software Engineer
TikTok

📅 5 February 2024 - Present

- Implementing TikTok Live features in Swift

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 autotrader in Python and Rust

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 the Backend service 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 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

Resident Advisor
UWA Trinity Residential College

📅 15 July 2023 - 25 November 2023

- Supported IT and AV related matters around the college
- Connected staff and residents in organising and promoting events
- Acted as a leader and manager for a designated building within the college
- Welcomed new residents and ensured they are settled in comfortably
- Undertook after-hours administration and management of the college

International Student Engagement Ambassador
UWA Office of Deputy Vice-Chancellor (Education)

📅 15 July 2022 - 10 November 2022

- Reduced the time International Student Support Team spends cross-checking student information every week from 2 hours to 15 minutes by automating the process with a TypeScript and Python script
- Organised excursions and social events tailored for international students