


Kaiqi Liang


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EDUCATION

Master of Information Technology

University of Western Australia (UWA)


 February 2022 – December 2023

WAM: 83.25 Extracurriculars:

- 2023: Computer Science Student Club (CSSC) Vice President, ICPC Competitor
- 2022: CSSC Posgraduate Representative, UWA Student Guild International Student Department (ISD) Liaison Committee

Bachelor of Computer Science

University of New South Wales (UNSW)

 February 2018 – December 2021

WAM: 78.042 Extracurriculars:

- 2021: CSESoc Executive, Student Representative
- 2020: CSE Revue Social Director
- 2019: CSESoc 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 Algorithms
- **90** - COMP6080
Web Front-End Programming
- **87 (=4th)** - CITS5501
Software Testing & Quality Assurance
- **87** - ELEC4406
Digital System Design

SKILLS

Programming Languages

| | | | |
|--------|--------------|------------|------------|
| C++ | Rust | TypeScript | JavaScript |
| C | C# | Java | Assembly |
| MATLAB | Shell Script | Dafny | Perl |

Data Science

| | | | |
|---------|---------|------------|--------------|
| Python | R | SQL | Cypher |
| PowerBI | PyTorch | TensorFlow | Scikit-Learn |

Other Technologies

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

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 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**