

Shutong Li (Lavender)

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EDUCATION

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| Australian National University | Feb 2024 - Dec 2025 |
| Master of Computing (Computer System) Master | Canberra |
| Australian National University | Jan 2023 - Dec 2023 |
| Master of Financial Management Master | Canberra |
| University of Sydney | Jul 2020 - Dec 2022 |
| Bachelor of Computing (Software Development) Bachelor | Sydney |

PROFESSIONAL EXPERIENCE

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| VirtAI Tech | Jun 2021 - Apr 2022 |
| Software Testing Internship | |
| <ul style="list-style-type: none">Performed manual and automated feature/regression testing in an Agile/Scrum environment, participating in sprint planning.Deployed and validated applications in Docker/Kubernetes on Linux, and verified CI/CD pipelines from commit to production.Used Git for version control, Jira for task tracking, and Confluence for documentation, release notes, and knowledge base. | |
| Chengdu Xinhua Wisdom Technology Co., Ltd | |
| Software Testing Internship | |
| <ul style="list-style-type: none">Designed and executed mobile/web App test cases on Linux-based environments using an integrated toolchain (ZenTao).Performed defect triage and collaborated with developers to resolve critical issues.Collected and analysed testing metrics (e.g., pass rate, failure clustering) to inform risk-based testing and prioritisation. | |
| ITI Team | Dec 2020 - Mar 2021 |
| Co-Leader | |
| <ul style="list-style-type: none">Co-led the development and operation of a student affairs management system in production at Yangzhou High School.Administered VMware cluster with Linux, MongoDB, and Docker; managed deployment, upgrades, and troubleshooting. | |
| PROJECT EXPERIENCE | |

Messaging System

- Developed a secure full-stack messaging and discussion platform with role-based authentication, input validation, and session management to ensure user privacy and data integrity.
- Applied a user-centred design process (PACT, card sorting, prototypes, usability testing), achieving an 87.5%+ task completion rate and enhanced interface clarity.
- Built the frontend using Vue 3 and TailwindCSS, and the backend with Flask and REST APIs, with architecture designed for rapid migration to Django/jQuery.

Aauth: Customized Fourth-party authentication service

- Developed a universal authentication frontend supporting multi-platform logins (GitHub, DingTalk, QQ, ChaoXing, SMS) via redirect or popup flows returning authentication codes or tokens.
- Implemented secure client-side messaging with window.postMessage and strict origin checks to ensure authenticity.
- Integrated JWT (PS256) token-based authentication with backend APIs for signature validation.
- Designed for easy integration, supporting RPC and HTTP verification methods, with rotating RSA keys for enhanced security.

Bushfire Risk Analysis

- Designed and implemented a data-driven bushfire risk prediction tool using Python, Pandas, and Matplotlib, integrating historical weather, vegetation, and fire incident datasets.
- Applied SQL for data extraction, cleaning, and aggregation; optimized queries to improve processing efficiency by 35%.
- Developed visual dashboards and geospatial heatmaps to support decision-making by emergency services.

XYZSAS: Student Affairs System adapted by Yangzhou High School

- Devised a course selection module for the student affairs system based on Node.js for Yangzhou High School.
- Deployed the service in the cloud platform of Aliyun and established a CI/CD workflow with Github Actions.
- Implemented a user-friendly web interface and a series of intuitive UIs based on HTML, CSS, Vite & Vue 3.

CurrencyTool – Java-based Currency Conversion App

- Built a Java application with Gradle support for concurrent API calls and robust caching mechanisms, including a user-friendly splash screen, progress indicators, and theme music integration.
- Integrated services (Currency scoop API for rates, Imgur for visual output) to deliver seamless UX and real-time functionality.

Community and Volunteer Experiences

Australian "all-Australian Chinese recitation contest"

Sep 2022

The volunteers

Sydney

As a volunteer, I was responsible for the sign-in and guidance of the contestants and leading teachers in this activity, and learned how to deal with the dispersion of personnel and serve different age groups.

Australia "richard clayderman 'forever love' 45 anniversary world tour recital"

Sydney

The volunteers

As a volunteer, I participated in the press conference and official performance in this event, received various media and guests in the press conference, participated in the preparatory activities before the concert on the day of the official performance, and gained the volunteer experience of large-scale concert.

SKILLS, CERTIFICATIONS & OTHERS

- Certifications:** Practera USYD industry impact; INCiTE Summer School; Verizon - Cloud Platform Job Simulation
- Skills:** Programming Languages: Java, Python, C, JavaScript, HTML/CSS, R; Frameworks & Libraries: Vue.js, Node.js, Pandas, Numpy; Databases: MySQL, PostgreSQL, MongoDB; Tools & Platforms: Git, Docker, Linux, Firebase;