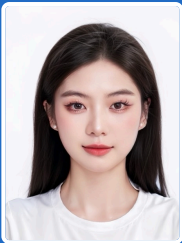


Gloria Yuxin Hu



USYD · Master of Computer Science (2027)

Work rights: 500 visa · Unrestricted hours during university breaks

485 eligible after graduation · 2 years full work rights · No sponsorship needed

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Portfolio: gloria-engineering-portfolio.pages.dev

Core strengths

- AI & software delivery** Built and deployed a Tencent Cloud LLM agent with RAG, function calling and enterprise API integration; Python/Java backends and hands-on JavaScript/TypeScript, React and Node.js.
- Process automation** n8n, Claude and Codex workflows reduced resume tailoring from ~30 minutes to ~1 minute; documented ~28 recurring analyst tasks as SOPs.
- Finance & stakeholders** International Finance graduate and Computer Science master's candidate; investment analysis, Australian operations and 10 client solution proposals.

Education

University of Sydney

Master of Computer Science · WAM 85.5/100 (High Distinction)

Aug 2025 - Jul 2027 (expected)

- Coursework:** Cloud Computing, Computer Systems & Networking, Databases, Cybersecurity, Enterprise-Scale Software Architecture, Data Engineering (ETL), Data Structures & Algorithms, Machine Learning & Data Mining.
- Recognition:** COMP9001 Programming **87 (HD)**, final project rated Excellent, voted Tutorial Champion by the lecturer and peers; selected for the Austrade SAIEP program, leading a cross-university consulting team (incl. UNSW members) from an ambiguous client brief to a delivered AI solution package.

Jiangxi University of Finance & Economics

Bachelor of International Finance

Sep 2018 - Jun 2022

- Core average 90+, top 5%;** English-taught coursework in statistics, econometrics and financial data analysis. Thesis on private-company IPO performance in China's STAR Market, using multiple linear regression on company financial statements, rated Outstanding.

Internship experience

Tencent Cloud (CSIG)

Solution Architect Intern, Education Industry

Jun 2026 - Sep 2026

- Needs analysis & proposals:** translated needs across five university stakeholder groups into **10 AI/cloud proposals** and about **20 meeting records**, supporting bids and customer demos. My first independent proposal passed review by the team lead and architect.
- Agent development and deployment:** built a sales workbench with **867 knowledge entries across 12 scenarios**, combining **RAG**, metadata filtering and **function calling**. Deployed **FastAPI + Docker on CVM** with enterprise identity, permissions and quotas; used it in Shenzhen University demos and introduced it to the department.
- AI platform delivery:** reviewed **146 files** for SUSTech's model competition, identifying **4 P0 and 4 P1 issues** in credentials, data loading, channel mapping and seed settings. Delivered findings to **15 partners** and configured data ingestion, **SFT and evaluation**. Also launched the Shenzhen University AI Coding platform for a **RMB 100K partnership** (3 tracks; approximately 200 teams planned), including registration and launch testing.
- Adoption and product feedback:** mapped procurement and acceptance requirements, then addressed about **90% of customer blockers** with templates, demos and teacher guides. Screened remaining requests for reuse, configuration options and live opportunities; submitted product scenario cards, including a report-export template for **3 universities**.

FreeVolt (energy tech, Australia)

Software Engineer Intern, Core R&D

Aug 2025 - Nov 2025

- Helped design an energy time-series data pipeline: cleaned, aggregated and computed metrics over multi-source data with **Python (Pandas)** and **complex SQL**, feeding a front-end monitoring dashboard; shipped in agile sprints with an Australian team.

Projects

Job-hunting Automation Pipeline

Oct 2025 - Present

System design & full-stack development

- Workflow design:** split JD parsing, matching, rewriting, quality checks and PDF build into separate nodes. V1 ran on local **Ollama** models, Qwen, MiniMax, **MySQL** and LaTeX; V2 orchestrates **n8n**, **Claude CLI** and **Codex CLI** through **Python REST APIs** as observable nodes, cutting a **~30-minute task to ~1 min**.
- Model selection and checks:** selected models by task, cost and availability; kept private data on local models. Checked text matching and logical consistency, recorded failed cases and ran regression samples before each change.

Resume-Matching Service

Sep 2026 - Present

Java backend · Personal project

- Built a REST service with **Java 17**, **Spring Boot 3**, **Data JPA** and **MySQL**; integrated an LLM API with RestClient and cached results in Redis using resume/job fingerprints. Added retry and fallback for timeouts and malformed responses, JUnit tests for core logic and docker-compose for the app, MySQL and Redis.

Anime Pilgrimage Planner

Oct 2025 - Dec 2025

Full-stack travel app

- Structured scattered multilingual social-media posts into a **940-line JSON dataset** (7 cities, 44 titles, 65 spots, JP/EN) served through 4 **Flask + CORS APIs**; implemented style filtering, geo-clustering into day plans, budget simulation and rail-pass comparison, with Chart.js cost views.

Business & consulting experience

Dirui Medical (300396.SZ, China Resources)

Apr 2024 - Jul 2025

Strategic Investment Analyst · Full-time

- Operating analysis:** covered **10 subsidiaries**, reporting to general-manager level; wrote **Python scripts** to scrape competitor financials, built **Tableau** dashboards and delivered **5 quantitative reports** monthly.
- Cross-border funnel and ROI:** for a **~USD 20M/yr** program in Russia and Indonesia, pinpointed the "click → register" drop-off and informed localisation fixes; **ROI ~+10%**, Indonesian **users ~+70%**, **MAU ~+50%**, **retention ~+15%**.
- Research automation:** documented **about 28** recurring tasks as SOPs and prototyped a multi-agent workflow for research, analysis framing and report drafting.

BP Australia

Aug 2022 - Nov 2023

Regional Data Analyst · Full-time

- Supported **15 sites** in Western Australia; built dynamic dashboards on transaction, inventory and footfall data to re-plan shifts (afternoon-shift cost **~-15%**, order-to-delivery **~-20%**); digitised HSE checks across **5 mine-site stations**, cutting a check from **8 to 3 min** and lifting compliance from **65% to 98%**.

C51 Consulting

Aug 2025 - Nov 2025

Enterprise AI go-to-market strategy · Project lead

- Mapped SLAM, Vision AI and GPT Lab product lines into a five-stage B2B customer journey from low-barrier trial to high-value custom work; the **26-page strategy report** helped sales secure letters of intent from **two WA manufacturers**.

Skills & application details

Backend & data	Python (FastAPI, Flask, Pandas), Java 17, Spring Boot 3, JUnit, SQL/MySQL, Redis; Excel and Tableau.
Web & databases	Hands-on experience with JavaScript, TypeScript, React, Node.js, PostgreSQL and Supabase; Flask APIs and Chart.js product interfaces.
AI & automation	RAG, embeddings, metadata filtering, function calling, LLM APIs, n8n and Ollama; Claude Code, Codex, GitHub Copilot and Cursor.
Delivery	REST APIs, Docker, docker-compose, Linux and Git; end-to-end API testing, regression samples, technical proposals and PowerPoint. AWS Certified Cloud Practitioner.
Languages & travel	Mandarin (native), English (IELTS 7.0; full-time work at BP Australia), Cantonese (conversational); willing to travel internationally.