Liam Loh Yong Qiao

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Education

University of Malaya Expected Graduation: Oct 2028

Bachelor of Computer Science (Software Engineering)

- **CGPA: 3.85 / 4.0** – Dean's List
- **7x Hackathon Winner**; GDGUM Student Buddy; UM Basketball Captain

Taylor's College Aug 2022 – Dec 2023

*Cambridge A-Levels (Further Math, Math, Computer Science) – **3 As***

- Taylor's Excellence Award Scholar

Experience

Software Engineer Nov 2025 – Jan 2026

Tesserac AI

- Built backend services for a multi-tenant financial reporting platform serving **5** enterprise clients, with tenant isolation built to scale to **1,000+** entities
- Owned the trial-balance engine for multi-entity consolidations, handling non-standard fiscal years and producing every client's consolidated figures
- Shipped production backend features in Python as part of a 4+ engineer Agile team

Projects

Cypher – AI SEC Filing Analyst Dec 2025

Node.js, Express.js, React, Claude API, Apify, ElevenLabs *Champion, Cursor Hackathon*

- Built a backend turning any US-listed company's 10-K/10-Q filings into investment insights in under **2 minutes**
- Designed a bull-vs-bear debate engine on Claude Sonnet 4, delivered as audio via ElevenLabs TTS

Zync – Compliance Intelligence for Rare-Earth Industry May 2026

Python, FastAPI, Neo4j, Qdrant, GLM-5.1, React *3rd Runner-Up, UM Hackathon*

- Sole backend engineer: architected and delivered a six-agent compliance pipeline
- Built GraphRAG on Neo4j and hybrid vector search on Qdrant, with streaming LLM reasoning across AELB, DOE and JMG regulations
- Wrote **40+** pytest unit, integration and end-to-end tests covering thresholds, guardrails and every agent

Junctn – Multi-Agent Platform for AAG's Advisor Force Jun 2026

Python, FastAPI, LangGraph, Gemini API, Next.js, TypeScript *2nd Runner-Up, ImagineHack*

- Architected a LangGraph and Gemini multi-agent system on a shared advisor-context layer, unifying briefings, CPD tracking and partner matching
- Built sentence-transformer partner matching and CPD recommendations, plus a Telegram bot synced with the web app's approvals

SafeZoneX – Real-Time Campus Safety Platform Oct 2025

Flutter, Node.js, Express, MongoDB, Socket.io, Google Maps API *1st Runner-Up, CodeNection*

- Built a Flutter app with one-tap SOS and live GPS; alerts reach the security dashboard in under **2 seconds**
- Launched to **100** users for feedback; added safety-zone heatmaps with the Google Maps and Directions APIs

Other Awards

1st Runner-Up – ASEAN AI Hackathon

1st Runner-Up – UM CodeFest 2025

1st Runner-Up – China Mobile AI Intelligent 2025

Technical Skills

Languages: Python, TypeScript, JavaScript, Java, SQL, Dart
Backend & Data: FastAPI, Node.js, Express.js, REST APIs, PostgreSQL, Supabase, MySQL, MongoDB, Redis
AI Engineering: LangGraph, LangChain, RAG, GraphRAG, LLM APIs, Neo4j, Qdrant
Frontend, Mobile & Tools: React, Next.js, Flutter, Git, Docker, pytest
Spoken Languages: English, Mandarin, Malay, Cantonese