

Gabriel Ong Zhe Mian

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Full Stack Developer specialising in Legal Technology

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EDUCATION

Singapore Management University Aug. 2023 - May 2027
BSc Computing and Law, Cybersecurity (2nd Major) GPA: 3.66/4.0

Anglo-Chinese School (Independent) Jan. 2019 - Nov. 2020
International Baccalaureate Diploma Programme Points: 44/45

SKILLS

Frontend: React, React Native, Next.js, Vue.js, Svelte, Flutter

Backend: Python, SQL, Go, JavaScript, TypeScript, Node.js, PHP, Rust, Dart

Cloud: GCP, Supabase, Firebase, MongoDB, ChromaDB, Pinecone, AWS, Heroku, Docker, Kubernetes, CI/CD

Others: Linux, TensorFlow, PyTorch, Pandas, Vulkan, WebGL, Haskell, Lua

Legal: Legal writing and research, Contract law, Criminal law, Tort law, Intellectual Property law

EXPERIENCE

SMU Yong Pung How School of Law, Singapore: *Research Assistant* Jan. 2025 - Apr. 2025

- Programmed AI agents for use in legal scholarship. (Python, ChromaDB)
- Investigated an adversarial approach in evolving AI Agent argumentation. (Research)

The Modo Collective, Singapore: *Founder & Lead Developer* Aug. 2024 - Mar. 2025

- Wrote and deployed the Modo cross-platform app. (Vue.js, Python, SQL, Supabase, AWS, Netlify)

Elefant, Singapore: *Backend Development Intern* Sep. 2024 - Dec. 2024

- Created CI/CD pipelines automating data extraction, enrichment and validation. (Python)
- Deployed web monitoring solutions to log continuous data availability. (GCP, Colab Enterprise)

The Yap Labs, Singapore: *Co-founder & Tech Development Head* Apr. 2024 - Aug. 2024

- Collaboratively developed the Yap.com mobile app. (Flutter, Dart, Firebase)

SMU Legal Innovation and Technology (LIT), Singapore: *Tech Development Director* Aug. 2023 - Aug. 2024

- Spearheaded multiple open-source legal tech projects. (Python, JavaScript, Rust)

PROJECTS

Yuho: DSL providing a programmatic representation of Singapore Criminal Law.

Sea Kayak: Web App that curates up-to-date legal news in Singapore.

Skill Hunter: Browser extension that embeds statutory definitions within SSO legislation.

DC4U: Markup language for charge sheet drafting with multiple transpiled target formats.

Jikai: Tort law hypothetical generation model powered by RAG and agentic refinement.

Judgeman: Browser extension that optimizes eLitigation case facts for absorption by sanitising legalese.

Modo App: Social Media Web App for subcultures and niche communities.

Netero: Decentralized voting platform built with the Ethereum blockchain.

Uzu: Browser Extension providing structured case summaries via Gemini 2.5 Flash.

AWARDS

SMU Global Impact Scholarship Award Aug. 2023 - May 2027
Premier flagship scholars' award

COMPETITIONS

GeeksHacking Choice Award for HackOMania 2025 Feb. 2025
Annual nationwide hackathon run by GeeksHacking

Champion of YouthxHack 2024: Digital Defence Aug. 2024
Annual nationwide hackathon run by Cyber Youth Singapore