

Gabriel Ong Zhe Mian

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Full Stack Developer specialising in legal technology

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EDUCATION

Singapore Management University BSc Computing and Law, Cybersecurity (2nd Major)	Aug. 2023 - May 2027 GPA: 3.68/4.0
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Anglo-Chinese School (Independent) International Baccalaureate Diploma Programme	Jan. 2019 - Nov. 2020 Points: 44/45
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SKILLS

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

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

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

The Modo Collective, Singapore: <i>Founder & Lead Developer</i> • Developed the Modo cross-platform app. (Vue.js, Python, SQL, Supabase, AWS) • Deployed the organisation website. (React, Next.js, Vercel)	Jan. 2025 - Aug. 2025
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SMU Yong Pung How School of Law, Singapore: <i>Research Assistant</i> • Programmed AI agents for use in legal scholarship. (Python, ChromaDB) • Investigated an adversarial approach in evolving AI Agent argumentation. (Research)	Jan. 2025 - Apr. 2025
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Elefant, Singapore: <i>Backend Development Intern</i> • Created CI/CD pipelines automating data extraction, enrichment and validation. (Python) • Deployed web monitoring solutions to log continuous data availability. (GCP, Colab Enterprise)	Sep. 2024 - Dec. 2024
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The Yap Labs, Singapore: <i>Co-founder & Tech Development Head</i> • Collaboratively developed the Yap.com mobile app. (Flutter, Dart, Firebase)	Apr. 2024 - Aug. 2024
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SMU Legal Innovation and Technology (LIT), Singapore: <i>Tech Development Director</i> • Spearheaded multiple open-source legal tech projects. (Python, JavaScript, Rust)	Aug. 2023 - Aug. 2024
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PROJECTS

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

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

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

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

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

Netero: Decentralized voting platform built with the Ethereum blockchain.

Owl: Google Docs, Sheets and Slides extension for monitoring and collating tags.

Be-sure-ance: Web App to find insurance plans in Singapore.

AWARDS

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

GeeksHacking Choice Award for HackOMania 2025 Annual nationwide hackathon run by GeeksHacking	Feb. 2025
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Champion of YouthxHack 2024: Digital Defence Annual nationwide hackathon run by Cyber Youth Singapore	Aug. 2024
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