

# Gabriel Ong Zhe Mian

[gabrielongzm.com](http://gabrielongzm.com)

Full Stack Developer specialising in Legal Technology

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## EDUCATION

<b>Singapore Management University</b> BSc Computing and Law, Cybersecurity (2nd Major)	Aug. 2023 - May 2027 GPA: 3.66/4.0
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<b>Anglo-Chinese School (Independent)</b> International Baccalaureate Diploma Programme	Jan. 2019 - Nov. 2020 Points: 44/45
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## 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

<b>SMU Yong Pung How School of Law, Singapore:</b> <i>Research Assistant</i>	Jan. 2025 - Apr. 2025
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- Programmed AI agents for use in legal scholarship. (Python, ChromaDB)
- Investigated an adversarial approach in evolving AI Agent argumentation. (Research)

<b>The Modo Collective, Singapore:</b> <i>Founder &amp; Lead Developer</i>	Aug. 2024 - Mar. 2025
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- Wrote and deployed the Modo cross-platform app. (Vue.js, Python, SQL, Supabase, AWS, Netlify)

<b>Elefant, Singapore:</b> <i>Backend Development Intern</i>	Sep. 2024 - Dec. 2024
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- Created CI/CD pipelines automating data extraction, enrichment and validation. (Python)
- Deployed web monitoring solutions to log continuous data availability. (GCP, Colab Enterprise)

<b>The Yap Labs, Singapore:</b> <i>Co-founder &amp; Tech Development Head</i>	Apr. 2024 - Aug. 2024
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- Collaboratively developed the Yap.com mobile app. (Flutter, Dart, Firebase)

<b>SMU Legal Innovation and Technology (LIT), Singapore:</b> <i>Tech Development Director</i>	Aug. 2023 - Aug. 2024
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- Spearheaded multiple open-source legal tech projects. (Python, JavaScript, Rust)

## 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

<b>SMU Global Impact Scholarship Award</b> Premier flagship scholars' award	Aug. 2023 - May 2027
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## COMPETITIONS

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