

Gabriel Ong Zhe Mian

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Legal Tech tinkerer

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EDUCATION

- **Singapore Management University** Singapore
Bachelor of Science in Computing and Law; GPA: 3.68/4.0 Aug. 2023 – May 2027
- **Anglo-Chinese School (Independent)** Singapore
International Baccalaureate Diploma Programme; Points: 44/45 Jan. 2019 – Nov. 2020

AWARDS

- **SMU Global Impact Scholarship Award** Singapore
Premier flagship scholars' award Aug. 2023 – May 2027
- **People's Choice Award for HackOMania 2025** Singapore
Annual nationwide hackathon run by GeeksHacking Feb. 2025
- **Champion of YouthxHack 2024: Digital Defence** Singapore
Annual nationwide hackathon run by Cyber Youth Singapore Aug. 2024
- **MOE EAGLES Award** Singapore
Edusave Award for Achievement, Good Leadership and Service Jan. 2020
- **Deans List: HL Economics, HL Literature** Singapore
Anglo-Chinese School (Independent) IBDP Nov. 2019

EXPERIENCE

- **The Modo Collective** Singapore
Founder and Lead Developer Jan. 2025 - Aug. 2025
 - **Python, SQL, FastAPI, Supabase, AWS EC2**: Developed and deployed the Modo full-stack web app.
 - **TypeScript, Next.js, Vercel**: Wrote and deployed the organisation website.
- **SMU Yong Pung How School of Law** Singapore
Research Assistant Jan. 2025 - Apr. 2025
 - **Python**: Programmed AI agents for use in legal scholarship.
 - **Research**: Hercules in Silico - Investigated the application of Artificial Intelligence Agents in simulating legal theory discussion from multiple disciplines.
- **Elefant** Singapore
Backend Development Intern Sep. 2024 - Dec. 2024
 - **Python**: Developed CI/CD pipelines automating data extraction, processing, enrichment and validation.
 - **Google Cloud Run functions, Colab Enterprise**: Deployed web monitoring solutions to ensure continuous data availability and logging.
- **The Yap Labs** Singapore
Co-founder and Tech Development Head Apr. 2024 - Aug. 2024
 - **FlutterFlow, Flutter, Dart**: Collaboratively developed the Yap.com mobile app.
 - **JavaScript, HTML, CSS**: Wrote and deployed the organisation website.
- **SMU Legal Innovation and Technology (LIT)** Singapore
Tech Development Director Aug. 2023 - Aug. 2024
 - **Wix**: Maintained the organisation website per modern UI/UX web design philosophies.
 - **Software development**: Authored and Coauthored open-source projects simplifying lawyering for law students.
- **Tong Eng Group** Singapore
Property Development Intern Nov. 2018 - Dec. 2018
 - **Microsoft 365 Suite**: Leveraged Microsoft Excel, Word and Powerpoint to sterilize data, compile summary analysis, and produce pitch decks of findings.
 - **Legal administration**: Assisted processing of legal documents for handover of properties.

PROJECTS

- **Jikai:** Centralised platform for the generation, review and practise of law hypotheticals.
- **Yuh0:** DSL providing a programmatic representation of Singapore Criminal Law.
- **Skill Hunter:** Browser extension that optimizes SSO legislation for absorption by sanitising legalese.
- **Piranesi:** Full-stack web application that translates your physical book collections into your online spaces.
- **Imaya:** Mobile and web application that takes a less-is-more approach to task prioritisation.
- **Owl:** Google editor suite extension for monitoring and collating tags.
- **DC4U:** Drafts legal charges by transpiling a human-readable markup language to multiple target formats.
- **Feeder:** Statistical visualization of the length of judicial rulings, scraped live from eLitigation.

PROGRAMMING SKILLS

- **Languages:** Python, Go, JavaScript, Typescript, Lua, PHP, SQL, Rust, Haskell, Dart
- **Technologies:** React, Next.js, Svelte, Flutter, Pytorch, Keras, Linux

LAW SKILLS

- **General:** Legal writing and research, Issue analysis, Drafting charges
- **Domain-specific:** Singapore Contract law, Singapore Criminal law, Singapore Tort law, Singapore Intellectual Property law

CERTIFICATIONS

- **Data Analytics Specialization:** Microsoft Excel, Data Classification, SQL, Tableau, R Programming
- **Advanced Data Analytics Specialization:** Python, TensorFlow, Exploratory Data Analysis, Statistical Data Analysis, Big Data Analytics, Signal Processing, Applied Machine Learning, Cloud Computing Skills
- **Advanced Infocomm Technology:** Cisco Network Configuration 3, Administration and Maintenance 3, System Integration 3, Security Administration 3, Problem Management 3
- **Cybersecurity Specialization:** Python, SQL, Security Information and Event Management (SIEM), Kali Linux, Cryptography, Network Administration and Maintenance, Vulnerability Assessment and Penetration Testing (VAPT)
- **Introduction to Cybersecurity Tools & Cyber Attacks:** Metasploit, Wireshark, Vulnerability Assessment and Penetration Testing (VAPT)
- **.NET Full Stack Foundation:** C#, .NET Development
- **Building Web Applications in PHP:** SQL, PHP, Apache, Nginx
- **Arm Cortex-M Architecture and Software Development Specialization:** ARM Architecture
- **How Computers Work:** Computational mathematics
- **UX Design Specialization:** Figma, User Experience Design (UED)
- **Principles of UX/UI Design:** Figma
- **Typescript for Professionals:** TypeScript
- **Project Management Specialization:** Microsoft Excel, Tableau, Stakeholder Mapping, Agile Methodologies, Project Management, Portfolio Optimization
- **Digital Marketing & E-commerce Specialization:** Microsoft Excel, Figma, Google Ad Planner, Search Engine Optimization (SEO), Customer Relationship Management (CRM), Copywriting
- **Introduction to Artificial Intelligence:** Tensorflow
- **Data Manipulation with pandas:** Python, Pandas