

EDUCATION

- **Singapore Management University** Singapore
Bachelor of Science in Computing and Law; GPA: 3.6/4.0 Aug. 2023 – Aug. 2026
- **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 – Aug. 2026
- **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

- **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.
- **Feeder**: Statistical visualization of the length of judicial rulings, scraped live from eLitigation.
- **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.
- **Euclid**: Extended syntax for accessible mathematical expressions in markdown.

PROGRAMMING SKILLS

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

LAW SKILLS

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

CERTIFICATIONS

- **Data Analytics Specialization:** Google-instructed, Microsoft Excel, Data Classification, SQL, Tableau, R, R Markdown, Data Storytelling
- **Advanced Data Analytics Specialization:** Google-instructed, Python, NumPy, Pandas, Seaborn, Matplotlib, Exploratory Data Analysis, Regression Analysis, Predictive Modeling, Cluster Analysis, Signal Processing
- **Advanced Infocomm Technology:** Cisco Network Configuration 3, Administration and Maintenance 3, System Integration 3, Security Administration 3, Problem Management 3
- **Cybersecurity Specialization:** Google-instructed, Python, SQL, Bash, Kali Linux, Packet Tracer, Internet Protocol Suite, Network Infrastructure Architecture, Cryptography, VAPT, NIST, CTI, SIEM, IDS, IPS
- **Introduction to Cybersecurity Tools & Cyber Attacks:** IBM-instructed, Metasploit, OpenVAS, Burp Suite, Wireshark
- **.NET Full Stack Foundation:** C#, ASP.NET toolchains, .NET framework components, .NET Core
- **Building Full Stack Web Applications in PHP:** SQL, PHP, Apache, Ngrock
- **Arm Cortex-M Architecture and Software Development Professional Certificate:** ARM Cortex-M, C-arm, ARM Architecture, ARM Assembly
- **How Computers Work:** Computational mathematics, Embedded systems, Computer architecture
- **UX Design Specialization:** Google-instructed, Figma, Wireframing, UED, Storyboarding, Usability Testing, Empathic Design
- **Principles of UX/UI Design:** Meta-instructed, UX/UI fundamentals, AutoCAD, Figma
- **Typescript for Professionals:** Safe, efficient, functional front-end code
- **Project Management Specialization:** Google-instructed, Microsoft Excel, Tableau, SaFe, SOS, LeSS, DAD, Lean Six Sigma, Gannt Project
- **Digital Marketing & E-commerce Specialization:** Google-instructed, Microsoft Excel, Figma, Google Ad Planner, Search Engine Optimization, Customer Relationship Management, Copywriting
- **Introduction to Artificial Intelligence:** IBM-instructed, Tensorflow, Large Language Models