

## EDUCATION

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- **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

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- **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

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- **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

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- **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.
- **Bottomfeeder:** 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

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

## LAW SKILLS

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

## CERTIFICATIONS

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- **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