Leonard Yam

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EDUCATION

National University of Singapore   **Aug 2021 - Dec 2025**

Bachelor of Computing in Computer Science

- CGPA – 4.5/5.0.
- Relevant coursework: Data Structures & Algorithms (A+), Computer Organisation (A+), Database Systems (A), Introduction to Computer Networks (A-), Introduction to Operating Systems (A-).

WORK EXPERIENCE

Software Engineer Intern, Rakuten Viki   **Feb 2025 - May 2025**

- Content Platform Team

Software Engineer Intern, Autodesk   **May 2024 - Dec 2024**

- Shortened Autodesk Licensing software release time by 40% by collaborating with multiple stakeholders to develop internal tools to automate tasks like binary artifact publishing, streamlining the release process and increasing developer productivity.
- Enhanced the observability of Go components by implementing OpenTelemetry tracing, achieving better monitoring of user events and trouble-shooting capabilities.
- Developed with: Python, Golang, Jenkins, OpenTelemetry.

Software Engineer Intern, M-DAQ   **Dec 2023 - May 2024**

- Improved data availability for business decisions by spearheading the design of a low-latency trading application that streams real-time foreign exchange rates.
- Enabled low-latency trading applications by integrating a Dockerized, multi-threaded microservice to an Aeron stream, achieving efficient processing of over 1000 messages per second.
- Reduced technical debt and improved user experience by rewriting a legacy codebase with modern, responsive components, resulting in better maintainability and usability.
- Developed with: React, Kotlin, Java, Spring Boot, Docker, Zustand, Server-sent Events.

Teaching Assistant, National University of Singapore   **Jan 2023 - May 2023**

- Selected as a teaching assistant for CS2040S Data Structures and Algorithms in Java, recognized for mastery in the subject matter.
- Deepened students' understanding of data structures and algorithms by breaking down complex problems in weekly tutorial sessions, leading to stronger comprehension of fundamental algorithms.

OPEN SOURCE

[opengovsg/FormSG](https://github.com/opengovsg/FormSG)

- Improved user experience for a no-code form builder used by government agencies in Singapore by contributing new features, empowering non-technical users to create richer forms.
- Developed with: TypeScript, Storybook, Jest, Playwright, Mongoose, MongoDB.

SKILLS

- Languages: TypeScript, JavaScript, Java, Golang, Kotlin, Python, C/C++, SQL, HTML, CSS.
- Technologies: React.js, Next.js, Spring, MongoDB, Docker, GraphQL, Jest.