

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, ByteDance

May 2025 - Oct 2025

- Increased customer conversion rates for Tiktok Live in Indonesia by integrating QRIS payment methods for Gopay.

Software Engineer Intern, Rakuten Viki

Feb 2025 - May 2025

- Improved system maintainability by migrating legacy APIs of key services, simplifying dataflows and reducing inter-service coupling.
- Accelerated content processing timelines by integrating video processing APIs into internal workflows, reducing manual workload for operations teams.

Software Engineer Intern, Autodesk

May 2024 - Dec 2024

- Improved developer productivity and reduced Autodesk Licensing software release time by 40% by improving internal tooling for release tasks.
- 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

- Increased data availability for business decisions by spearheading the design and implementation of a low-latency rates blotter that streams foreign exchange rates.
- Enabled low-latency trading applications by processing over 1000 messages per second through integrating a Dockerized, multi-threaded microservice to an Aeron stream.
- 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](#)

- 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.