

VINCENT ONG

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EDUCATION

National University of Singapore (NUS)

Aug 2025 – May 2029 (Expected)

Bachelor of Computing in Computer Science

- Nurtured proficiency in **Java**, **Python**, **Programming Methodology**, **OOP**, **Linear Algebra**, **Discrete Structures** and **Statistics** in **R** as a year 1 student.

TECHNICAL SKILLS

Languages: Java, Go, Python, React, JavaScript/TypeScript, SQL

Frameworks: Gin, Next.js, Node.js, Express.js, React Native

Developer Tools: PostgreSQL, Docker, Postman, Git, Vercel

INTERNSHIPS & EXPERIENCES

Sonzai Labs – *Software Engineering Intern*

Mar 2025 – Jun 2025

- Engineered scalable full-stack features using **React Native**, **Python**, and **Go**, leveraging **Redis** and **ScyllaDB** for high-performance data handling and **Windmill** for orchestration.
- Swiftly diagnosed and resolved production bugs on a **CI/CD (Github Actions)** workflow with **Git**.
- Led **frontend** development for Sonzai's **NFT minting event**, integrating **smart contracts** and **Web3 wallet authentication**; launched and minted **500 NFTs**.

IDEATE Hackathon – *Participant*

Aug 2025

- Ideated and pitched an **AI companion** product designed to alleviate child loneliness and reduce screen time when parental attention and availability is limited.

CloudHacks Hackathon – *Participant*

July 2023

- Led the strategic pitch for a **VR/AR-integrated** e-commerce solution designed to promote a transparent and interactive shopping environment

SAF Infantry 3rd Sergeant – *Leader*

March 2023 – Jan 2025

- Demonstrated **reliability** and **trustworthiness** in high-stakes environments, overseeing firearms accountability and ensuring the **safety** and operational readiness of recruits.

PROJECTS

ThreadTalk – *Full Stack Application*

Dec 2025 – Present

- Architected a scalable forum web application with **Go (Gin)** for **REST APIs**, **Next.js** and **PostgreSQL** relational database, featuring topic, post and comment creation.
- Implemented **infinite scroll**, **hierarchical comments nesting** with **concurrency** and **JWT authentication**.

Project Veridian – *Full Stack Application*

Jun 2025 – July 2025

- Developed my first **full-stack CRUD** web application with **Express.js** and **Next.js**, deploying the backend on **Railway** and the frontend on **Vercel**, providing users a platform to create and manage personal books and journals.

Project Visente – *Entrepreneurship*

Dec 2022 – March 2023

- Launched a fragrance decanting side hustle, selling **40+ bottles** with approximately **\$100 profit** by leveraging **demand** for affordable access to diverse scents.

AsrFoodMood – *Entrepreneurship & Community*

Oct 2021 – Dec 2021

- Initiated and spearheaded a food wastage awareness campaign at ASRJC, engaging students through various **social media platforms** and delivering significant donations to FoodBank.

CERTIFICATIONS AND INTERESTS

Certifications: Google Professional Machine Learning Engineer Certification (GCP).

Interests: Art and drawing, brazilian jiu-jitsu, tennis and taekwondo.

Skills: Duty-oriented, **ownership**, public speaking, leadership, an awesome team-player, optimism.