

Teo Zi Hui, Shelia

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EDUCATION

National University of Singapore (NUS)

Expected Graduation: **May 2027**

- Bachelor of Computing in Computer Science
- Program: [NUS College](#) | Student Clubs: Software Engineer at [NUS Fintech Society](#) and [Developer Student Club](#)
- Events attended: [JPM Winning Women Program 2025](#), [Discover Citadel 2025](#), [WiseWomenCode 2025](#)

EXPERIENCE

[Stripe](#) — Incoming Software Engineer Intern

May 2026

[Paypal](#) — Full-Stack Software Engineer Intern (Global Compliance)

May 2025 - Dec 2025

- Extended customer onboarding system to support 3 additional configuration types using **Java** and **Spring Boot**, as part of a project that enables business teams to drag and drop to configure onboarding processes without manual engineering work for changing country-specific requirements.
- Implemented delegator pattern with handler registration system to route operations across multiple configuration domains, and developed **SQL** queries for configuration lifecycle management.
- Ensured robust code quality with unit tests, achieving test coverage of $\geq 80\%$.
- Worked on a compliance Subject Matter Expert (SME) chatbot that autonomously picks tools based on query context to resolve queries by engineers, cutting down their solution discovery time by 30%.
- Designed an incremental ingestion pipeline to ingest new data from 3 channels: Confluence, Slack, and Github Catalog into Big Query tables, employing the Retrieval Augmented Generation (RAG) technique.
- Set up an MCP server for the Counters team with an MCP tool that will query the knowledge base to fetch Slack and Confluence related data. Improve responses of existing MCP tools for the Process team.
- Developed a configurable Slack bot that can be added into different teams' Slack channels to answer queries.

[Jane Street Capital, Hong Kong SAR](#) — [INSIGHT Program](#) (Software Engineering Track)

Jan 2025

- Selected as 1 of the 20 students in Asia to attend, participating in estimathons and placing 1st in OCaml Bee.

PROJECTS

[Synthesize](#) — an AI-Driven User Feedback Analysis Tool ([View Deployed Project Here](#))

Aug 2024

- Developed a full-stack web app that enables businesses to collect and analyze user feedback using AI.
- Created a versatile form builder page that allows businesses to create customizable AI-driven chatbots and a dashboard that showcases real-time feedback insights using **React**, **Next.js**, **TypeScript**, **Tailwind**, and **Firebase**.
- Built a robust **Python** backend with **FastAPI**, integrating complex business logic and creating API endpoints.
- Integrated **OpenAI ChatGPT-4o API** to generate context-specific follow-up questions and derive actionable insights from user feedback. Further fine-tuned LLM responses using [CO-STAR prompt engineering](#) technique.
- Set up automated unit tests using **Jest**.

HACKATHONS

[NUS Fintech Hackathon 2024](#) — TrustChain Lite (1st Runner Up)

Jan 2024

[Open Government Products Build For Good Environment 2024](#) — PackBack

Jun 2024

- Developed a mobile app to facilitate the donation and redistribution of e-commerce packaging waste using **React Native** and **Firebase**. Integrated camera and QR code scanner to verify successful donations and pick-ups.
- Worked in a team of 5 to develop, conduct user research, and carry out user-testing with 50+ users on our MVP.

[Morgan Stanley Code To Give 2025](#) — DonorConnect

Aug 2025

- Built a **FastAPI** + **Supabase** backend with Gemini-powered LLM scoring, generating structured 13-category learning reports from student journals and automating progress tracking for donors.

SKILLS

Languages: Python, TypeScript, JavaScript, Java, SQL

Technologies: FastAPI, React, React-Native, Next.js, Firebase, PostgreSQL, Spring Boot, Postman