

Abel Lee

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EXPERIENCE

Functional AI Partners Pte. Ltd

Jun 2025 – Dec 2025

AI Solutions Engineer Intern

Singapore

- Built real-time AI voice agents integrating LLMs, speech-to-text, text-to-speech, and telephony APIs, enabling low-latency conversational workflows for client-facing demos.
- Delivered full-stack AI prototypes that translated business requirements into deployable use cases, shortening solution validation and pitching cycles by ~30–40%.

Synscribe

Aug 2025 – Sep 2025

Full-Stack Developer Intern

Singapore

- Developed SEO automation pipelines that generated and deployed search-optimized landing pages, reducing manual content production and deployment time by ~60%.
- Authored a published technical framework on building LLM-powered SEO pipelines: synscribe.com/blog/framework-chatgpt-create-seo-optimized-landing-page.

Truffle Technologies

Apr 2025 – Aug 2025

Software Engineer Intern

Singapore

- Built and optimized React (MobX) UI components and integrated REST APIs, improving frontend reliability and maintainability across core user flows.
- Supported UAT with stakeholders, resolving edge cases and ensuring on-time production releases for multiple feature iterations.

MGG Software

Jun 2024 – Jun 2025

Software Engineer Intern

Singapore

- Built an AI video automation pipeline using FFmpeg, Puppeteer, and LLM-based script generation, reducing manual video production time by ~80%.
- Shipped a full-stack platform with Next.js, MongoDB, Stripe, and NextAuth, supporting authentication, payments, and scalable content delivery.

SELECTED PROJECTS

Voice AI Emcee (AIRI) | React, Node.js, LLM, STT/TTS | Blog

2025

- Built a live AI emcee that orchestrates event flow using real-time voice input, tool calls, and structured prompt control.

FilterProof | Next.js, MongoDB, Chrome Extension | Demo

2025

- Built a Chrome extension and web application to capture job postings and manage resume tailoring workflows end-to-end.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python

Frameworks: Next.js, React, Node.js, Express, FastAPI

Data & DB: MongoDB, MySQL, SQLite, Firebase

Frontend: HTML, CSS, Tailwind CSS, shadcn/ui, MobX

Cloud/DevOps: AWS (EC2, S3), Docker, Vercel

Testing: Jest

EDUCATION

Singapore University of Technology and Design (SUTD)

2025 – 2029

B.Sc. Computer Science and Design (Undergraduate Merit Scholarship)

Singapore

- Technology and Entrepreneurship Programme (STEP); awarded Baby Shark Fund seed grant for venture-building.

Hwa Chong Institution

2021 – 2022

GCE A-Level (Hwa Chong Diploma with Merit awarded)

Singapore

AWARDS & LEADERSHIP

- **Athletics:** National Schools Record (A Div Long Jump, 2022); 4x National Schools Gold (Long Jump, High Jump).
- **Leadership:** Led HCI CIP Council; mentored 10 service-learning groups and ran major initiatives (e.g., CNY Food Drive).
- **National Service:** Best Soldier of the Month (BSOM).