

(Hans) ONG You Yang

EDUCATION

Singapore Institute of Technology & DigiPen Institute of Technology Aug 2022 — Apr 2026
Bachelor of Science (Hons.) in Computer Science in Real-Time Interactive Simulation (RTIS) Singapore & Redmond, WA

WORK EXPERIENCE

Uber Technologies, Inc. Oct 2025 — Present
AI Solutions Engineer Singapore (Remote)

- Delivered technical consulting for enterprise clients including Shopee, PETRONAS, and Trip.com Group as part of the Uber AI Solutions (Data Team), partnering with pre-sales and enterprise sales teams to design, demo, and deliver AI Ads solutions and early-stage POCs across APAC, supporting 3 enterprise accounts and contributing to **\$X** millions-dollar deal pipelines.
- Defined and evaluated AI Ads success metrics, with average results indicating **~5–10%** CTR uplift and **~3–7%** improvement in conversion propensity, while reducing creative iteration cycles from weeks to days and lowering the average cost of launching new ad campaigns by **~20–30%** through Uber’s proprietary AI Ads.

GovTech Singapore Sep 2025 — Present
AI Engineer Intern Singapore

- Led and delivered **30+** technical demos, proof of concepts (POCs), and solution walkthroughs at major public sector events to **50+** government agencies and partners across industry and internal forums, helping technical and non-technical stakeholders evaluate and adopt [Oobee](#), [Oobee Web](#), and Oobee AI for automated accessibility triage and compliance workflows.
- Spearheaded the system design and development of Oobee AI, an AI-powered accessibility assistant that interprets Oobee Reports and generates production-ready accessible solutions using Python and **Microsoft Azure AI Foundry**, leveraging NLP with a RAG architecture (LangChain, LangSmith, Pinecone) and quality validation via automated evals pipelines.
- Oobee AI increased WCAG compliance across Singapore government websites by **~15%**, reducing manual interpretation effort by **~50–60%**, and saving **~10,000+** public-officer hours, with estimated cost savings of **~USD \$2M+** over **Q4 2025**.

GovTech Singapore May 2025 — Sep 2025
Software Engineer Intern Singapore

- Supported the end-to-end full-stack and AI development of [Oobee Web](#), an open-source web accessibility scanning platform that automates WCAG compliance checks for software teams, adopted by **98** government agencies to scan **800K+** pages and identify **11M+** accessibility barriers as of **Q3, 2025** using React, Node.js, TypeScript, JavaScript, REST APIs, WebSockets, AWS (EC2, S3, ECS, SQS, ECR, RDS, CloudFront), Terraform, Cloudflare, Amplitude.

Stealth Startup Jan 2025 — Apr 2025
Member of Technical Staff Intern San Francisco, CA

- Signed NDA. A fintech startup impacting NASDAQ & NYSE; contributed to scalable payment systems and API integrations.

[in](#) View complete work history [↗](#)

PROJECTS

NeuroTune | Unity, C#, AI, Machine Learning, HCI [Steam](#) | [Research Paper](#) | [GitHub](#) | [Demo](#)

- Pitched and demoed NeuroTune’s **proof of concept (POC)**, an AI-powered FPS aim trainer built in Unity (C#) to Statespace (creators of [AimLabs](#)) in Seattle, WA, translating a market gap in personalized training into measurable product value. The initiative secured a **technical win**, shipped to production in September 2024, scaled to **~40M+** users with **~2.5M Monthly Active Users (MAU)**, and generated **~USD \$1.5M+** in incremental revenue in **Q4 2024**.

LEADERSHIP

Google Developer Student Clubs (GDSC) | SIT Geeks Jan 2023 — Feb 2024

- As Technical Lead, I hosted and led **10+** hands-on technical workshops for over **~1,000+** students across [Python](#), [Figma](#), Git/GitHub, AWS, Google Firebase, Google Cloud, and AI technologies and how to apply them in real-world scenarios!
- As External Development Lead, partnered with internal stakeholders and industry partners such as **Google**, **Amazon**, **Workato**, and others to design technical programs, pitching value propositions to secure **~USD \$23K+** in sponsorships.

SKILLS

- Programming Languages:** Python, C/C++, C#, Go, TypeScript, JavaScript, HTML/CSS, SQL
- Technologies:** LLMs, LangChain, RAG, Prompt Engineering, Fine Tuning, Azure Foundry, Vector DB, LLM-as-a-judge