

# (Hans) ONG You Yang

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## EDUCATION

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

## WORK EXPERIENCE

Uber Technologies, Inc.  
AI Solutions Engineer  
Oct 2025 — Present  
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  
AI Engineer Intern  
Sep 2025 — Present  
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  
Software Engineer Intern  
May 2025 — Sep 2025  
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  
Member of Technical Staff Intern  
Jan 2025 — Apr 2025  
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