

Wang Yu Teng

+65 9178 5810 | wyuteng123@gmail.com | [linkedin.com/in/wangyuteng](https://www.linkedin.com/in/wangyuteng) | github.com/WangYuTengg | wangyutengg.github.io | Singapore

EDUCATION

Nanyang Technological University, Singapore

Aug 2021 – Jun 2026

Bachelor of Science (Computer Science) and Bachelor of Social Science (Economics)

- Expected Double Honours (Highest Distinction), Current CGPA: 4.5/5.00

Awards and Achievements:

- NTU College Scholarship | MLDA Deep Learning Week Hackathon 2022 Winner | NTU Techfest 2023 Top 10 | AWS Alfinity 2023 Top 10 | PSA Code Sprint 2023 Top 8

WORK EXPERIENCE

Voltade | Software Engineer (Founding Team)

May 2025 – Present

- Engineered full-stack supplier intelligence platform for major F&B group, processing 2,000+ invoices monthly with $\geq 99\%$ line-item extraction accuracy via AI-driven pipeline (**OpenAI, Supabase, PostgreSQL, Zod**).
- Developed supplier intelligence dashboard (**React, MantineUI, TanStack Query**) enabling normalized price comparisons across 10,000+ SKUs, identifying ~\$50,000 in annual savings opportunities across multiple suppliers and entities
- Built and deployed an invoice ingestion service supporting single, bulk, and ZIP uploads (**React, Graphile Worker, ImageMagick**), with automated retries and deduplication to guarantee 99% coverage and reliability.
- Architected deployment infrastructure for AI agent builder platform, publishable runtime deployments via **Railway, R2** artifact storage, **E2B** sandboxed environments, and project-scoped auth with **Role-based Access Control (RBAC)**.
- Launched AI-powered WhatsApp outreach platform (**Baileys, Mastra**) for real estate lead qualification, featuring CRM inbox, AI training dashboard with prompt diff views, and automated follow-up sequences to streamline agent workflows.
- Initiated and deployed internal knowledge assistant **Telegram Bot** using **Claude Agent SDK** with multi-model routing and **SQLite FTS5 search**, enabling 15+ team members to query across Notion, GitHub, and Telegram, reducing context-switching time.

Voltade | Software Engineer Intern

Jan 2024 – May 2025

- Developed and deployed customized AI chatbots (**OpenAI, React, Deno, TypeScript**) integrated with mini applications for 12 companies efficiently managing multiple business operations and >10,000 customer inquiries monthly.
- Initiated and launched an internal tool (**React, Deno, Prisma**) streamlining development of AI chatbots. This tool became a key asset used by every engineer (10+), reducing chatbot setup time from 1 week to 1 day.
- Engineered automated web-scraping scripts (**TypeScript, AWS Event Scheduler**) enabling extraction of client website data to enrich chatbot knowledge bases through vector **Retrieval-Augmented Generation (RAG)** techniques.

Trilogy Technologies | Software Engineer Intern

May 2023 – Aug 2023

- Spearheaded end-to-end development of internal workflow management system (**MongoDB, Express, ReactJS, Node.js**), digitizing manual, paper-based processes for 30+ operators, thus reducing task completion time by ~30%.

PROJECTS

UML Assessment Platform (Final Year Project)

Aug 2025 – May 2026

- Developed an automated assessment platform for educational institutions supporting MCQ, written, and UML diagram assignments with LLM-assisted grading (**React, PlantUML, PostgreSQL, Vercel AI SDK**).
- Implemented LLM auto-grading pipeline with accept/reject review workflow, batch processing queue, and focus monitoring to significantly reduce manual grading effort.

Solarian

Oct 2022 – Oct 2022

- Engineered an application that processes satellite images and outputs important statistics related to solar panels, using **Python** and **OpenCV**.
- Optimised and trained UNET image segmentation machine learning model using **Keras** to achieve a significant accuracy of ~87% over 100 epochs, resulting in accurately identifying rooftops from satellite images.

TECHNICAL SKILLS

- Programming Languages: TypeScript, JavaScript, Python, SQL, HTML, CSS
- Frameworks and Runtimes: React, Express, Hono, Node.js, Deno, TanStack Query/Router, Playwright, Vitest
- Databases: PostgreSQL, Supabase, MongoDB, NeonDB, Drizzle ORM
- AI/ML: OpenAI, Anthropic Claude, Vercel AI SDK, Mastra, Claude Agent SDK, OpenCV, Scikit-Learn, Pandas
- DevOps & Infrastructure: GitHub Actions, Docker, Kubernetes, ArgoCD, K9s, AWS S3, Azure Blob Storage

ADDITIONAL INFORMATION

- Languages: English (Native), Chinese (Native)