

Wong Shyan-Yong

AI Engineer / Backend engineering & applied AI / Singapore

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AI engineer and NUS Computer Science graduate with experience in enterprise AI, backend services, and automation. Builds machine learning and LLM workflows, data pipelines, and APIs with Python, TypeScript, and cloud tooling.

EXPERIENCE

AiRTS | AI Engineer

Jul 2026 - Present | Previously AI Engineer Intern, Feb 2026 - Jun 2026

- Translate enterprise requirements into AI solutions with engineering, product, and business stakeholders.
- Develop ingestion pipelines, machine learning and LLM workflows, and APIs for model inference and orchestration.
- Evaluate models, improve data quality and reliability, and support containerised application deployment with Docker.

BlueSG | Software Engineer

May 2024 - Jan 2025

- Implemented backend services and RESTful APIs with NestJS, TypeScript, and PostgreSQL.
- Led a shared CircleCI Orb upgrade and maintained build and deployment workflows with Docker, CircleCI, and AWS.
- Contributed to Python and SQL analytics and prototyped computer vision pipelines for dashcam incident detection.

EDUCATION

National University of Singapore

Bachelor of Computing (Honours) in Computer Science | Aug 2022 - May 2026

Certificate of Distinction in Database Systems and Artificial Intelligence focus areas.

Télécom Paris, Institut Polytechnique de Paris

Exchange Programme in Artificial Intelligence and Data Science | Jan 2025 - Jul 2025

Systems design, large-scale data processing, distributed computing, deep learning, and quantitative modelling.

SELECTED WORK

Vehicle Utilisation Modelling & Backend Automation

Independent project | Jun 2024 - Feb 2025

Built modular Python services for data ingestion and validation, time-series analysis, and visualisation.

MARGO Telecom-AI Hackathon | Second place

Paris, France | May 2025

Developed machine learning pipelines in a cross-disciplinary team, refining models through experimentation.

TECHNICAL SKILLS

Languages: Python, TypeScript, Java, JavaScript, C++, SQL, Bash.

Backend & cloud: Node.js, NestJS, PostgreSQL, REST APIs, Docker, CircleCI, AWS (ECS, S3, Lambda), Git.

Data & AI: Pandas, NumPy, scikit-learn, PyTorch, time-series analysis, computer vision.