

KRAIYOS WANNA • AI ENGINEER

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Portfolio

SUMMARY

AI Engineer with a B.Eng. in Mechanical Engineering and 6+ years in manufacturing, backend engineering, and industrial digitalization. Builds practical computer vision, data pipelines, LLM/RAG, and agentic AI applications using Python and TypeScript. Current training through Super AI Engineer Season 6 deepens applied AI expertise for real-world delivery.

WORK EXPERIENCE

AI Engineer Intern, AIAT

Jul 2026 - Present

- Develop AI prototypes, LLM applications, agentic systems, data pipelines, and EDA.
- Research the feasibility of training LLMs from scratch to support sovereign AI.
- Develop AI-enabled data workflows for SIP SIP, a wellness wearable project.

Production Engineer - Smart Factory, MAHLE

May 2024 - Jun 2026

- Deployed machine vision to detect piston defects before packing and shipment.
- Built production data visualizations for MAHLE's digitalization initiatives.
- Assessed AI transformation opportunities with cross-functional plant teams.

Backend Engineer / Presales, Software Provider

Jun 2023 - Jan 2024

- Built and refactored TypeScript backend services and translated technical requirements.
- Designed solution architectures and proposals for public-sector procurement bids.
- Designed APIs for database integration and optimized query performance.

Production Engineer / Assistant Team Leader, ENKEI THAI

Jul 2019 - Jan 2023

- Conducted internal audits for ISO 14001, ISO 45001, and IATF 16949 compliance.
- Cut PLC cycle time by 12 seconds, earning a Kaizen Award.

EDUCATION & TRAINING

Super AI Engineer Season 6

Mar - Sep 2026

Artificial Intelligence Association of Thailand

Selected 1 of 156 from 10,000+ applicants

L1 Online: Mar-Apr | L2 On-site: Apr-Jun | L3 Apprenticeship: Jun-Sep 2026

TECHUP Full-Stack Developer Bootcamp

Jan - Jul 2023

- Full-Stack Software Development (Frontend and Backend)
- Git, HTML, CSS, JavaScript, NoSQL, SQL, React, and Node.js

B.Eng. Mechanical Engineering

2015 - 2019

- Suranaree University of Technology | GPAX: 2.89
- Focus: Thermodynamics, Internal Combustion Engines, Power Plants; 8-month automotive manufacturing co-op.

PROJECTS, SKILLS & AWARDS

- PROJECTS: Piston Defect Intelligence System (<500 ms alerts; barcode traceability) | Domestic Violence Analytics Dashboard (EDA and insight generation from 877 public records)
- SKILLS: Python, Pandas, Scikit-learn, PyTorch, TensorFlow, FastAPI, Machine Learning, Computer Vision, LLMs, RAG, Agentic AI, Vector Databases, Data Engineering, Data Analysis, EDA, TypeScript, Next.js, PostgreSQL, Supabase, CI/CD, OT/IT Integration
- AWARDS: Winner, Edge-AI Hackathon | Winner, FahMai The Finale | People's Choice Award - Human Sensing Hackathon, Super AI Engineer Season 6 (Machima Team)