

Lai Man To

AI / ML Engineer Intern

tototofu0601@gmail.com • +852 6618 6981 • github.com/tototofu123 • lai.codes • Hong Kong

SUMMARY

Computer Engineering & AI student at HKUST with hands-on experience building deep learning models, RAG pipelines, and autonomous AI agents. Certified across AWS ML, Generative AI, and Agentic AI.

EDUCATION

BEng Computer Engineering & AI Expected 2027

The Hong Kong University of Science and Technology (HKUST)

- Relevant: Data Structures, AI Foundations, Robotics, Embedded Systems

HKDSE Class of 2023

TWGHs Wong Fut Nam College

- Level 5* English (Speaking); Level 5 English, Mathematics, Physics

AI & DEEP LEARNING PROJECTS

AI-Generated Image Detector (CNN)

Python · TensorFlow

- Engineered a deep CNN; 94% validation accuracy on 5,000+ samples
- Hyper-parameter tuning, dropout regularisation; evaluated with F1-scores and confusion matrices

Strategic Game Intelligence (Minimax)

Python · Minimax · Alpha-Beta Pruning

- AI agent for Connect4 and card games evaluating 10,000+ board states per second
- Custom heuristic functions for strategic balance; CLI with move suggestions and probability analysis

International Student Support Agent

Dify · RAG · Prompt Engineering

- RAG pipeline vectorising 50+ pages of documentation; empathetic tone guardrails and privacy guards

Hot-Topic Automation Agent

n8n · Ollama · Docker · PostgreSQL

- Multi-stage autonomous agent with local LLM, sentiment analysis, and webhook reporting
- Reduced manual research time by 90%; self-hosted via Docker for data privacy

EXPERIENCE

Vice President & Team Captain 2024 – Present

HKUST Sport Climbing Society

- Directed operations for 200+ members; 25% growth; maintained Git-managed website
- Secured 5 corporate sponsorships; presented to HKUST Sports Dept and LCSD

Climbing Coach & Counter Staff 2024 – Present

Lead Climbing Gyms

- Managed 300+ entry client database; delivered training programmes for 20+ students

CERTIFICATIONS

AI Agents and Agentic AI with Python & Generative AI — Vanderbilt University (2026)

AWS Educate ML Foundations & Intro to Generative AI — Amazon Web Services (2025)

AI Literacy for All — Digital Education Council x HKUST (2025)

AI and the Illusion of Intelligence — Copenhagen Business School (2026)

Capstone: Making the Case for AI — Emory University (2026)

From Data to Decisions: Getting Started with AI — Vanderbilt University (2026)

SKILLS

AI & Agents: TensorFlow, RAG, Dify, n8n, Ollama, Prompt Engineering, MCP, AWS ML, Agentic AI

Programming: Python, C++, JavaScript, HTML5/CSS3

Tools: Docker, PostgreSQL, Git, Arduino IDE

Languages: English (native), Cantonese (native), Mandarin (native), Hakka (intermediate)