

Duong Minh Duc

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EDUCATION

National University of Singapore

Aug 2023 – Current

- Bachelor of Computing in Computer Science
- Cumulative GPA: 4.65 / 5
- Modules: Data Structures and Algorithms, Machine Learning, Natural Language Processing

The University of Melbourne

Feb 2026 - Jun 2026

- Exchange Undergraduate, Faculty of Engineering and IT

TECHNICAL SKILLS

- **Programming Languages:** Python (proficient), Java, JavaScript, TypeScript
- **Version Control:** Git
- **Frameworks:** numpy, pandas, PyTorch, scikit-learn, LangChain/LangGraph, Next.js
- **Database Management:** PostgreSQL, SQLite

WORK EXPERIENCE

AI Engineer Intern, FPT Smart Cloud, Hanoi

Dec 2024 – Jan 2025,
Dec 2025 – Feb 2026

- Experimented with and provided documented evaluations for various retrieval augmented generation (RAG) frameworks to integrate into FPT AI Knowledge Enquiry, a knowledge management solution trusted by more than 1000 enterprises globally.
- Designed and implemented a comprehensive benchmark and database to evaluate an AI agent for retrieving and validating information on Vietnamese government officials, allowing fast, reliable access to authoritative profiles of key government members.
- Redesigned an internal AI research/aggregation newsletter tool through web scraping and sentiment-based filtering, enabling the AI team to track and utilise emergent technologies.

Teaching Assistant, NUS

Aug 2024 – Nov 2025

- Conducted weekly tutorials for classes of up to 40 students, graded assignments and held weekly consultation hours to help students better understand course content.
- Supported professors and lecturers to prepare and improve course content for an up to 800-student cohort.

PROJECTS

Research Assistant, CP2107 – Odyssey, NUS

May 2025 – Aug 2025

- Coauthored “Beyond Brainstorming: What Drives High-Quality Scientific Ideas? Lessons from Multi-Agent Collaboration” (<https://arxiv.org/abs/2508.04575>), accepted for AI4Research.
- Researched appropriate evaluation metrics and performed human review of AI-generated outputs to validate LLM-based evaluation frameworks when batch-reviewing ideas.
- Synthesised supporting studies to justify multi-agent configuration design decisions.