

# Tran Minh Duong

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## About Me

Undergraduate student at La Rochelle University, passionate about full-stack data science, computer vision, and natural language processing.

Looking for AI Engineering jobs, specialized in developing RAG Chatbot, MLOps, LLMOps, Model-As-a-Service.

## Education

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|------------|---|---------------------|
| <b>BSc</b> | <b>La Rochelle University</b> , Computer Science  | La Rochelle, France |
|            | • Working on AI Agents project, RAG technology  | Sept 2025 – present |
| <b>BSc</b> | <b>University of Science and Technology of Hanoi</b> , Information and Communication Technology (Double Degree) | Hanoi, Vietnam      |
|            | • Ranked 1st among Double Degree students   | Sept 2023 – present |
|            | • GPA: 18.46/20 in Year 1; 18.50/20 in Year 2   |                     |

## Experience

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|--|----------------------|
| <b>ICTLab - USTH</b> , Research Assistant  | Hanoi, Vietnam       |
| • Collected and built a <a href="#">fire context awareness dataset</a> to survey different models                    | Mar 2025 – July 2025 |
| • Carried out experimentations on Visual Language Models such as Qwen2.5VL, InternVL3, Gemma3, .. and record metrics |                      |
| • Finetuned Qwen2.5VL and InternVL3 via PEFT and LoRA injection  |                      |

## Projects

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|--|----------------------|
| <b>Legal Contract Analyzer</b>   | July 2025 – Aug 2025 |
| RAG Chatbot for understanding and extracting key information from legal documents                  |                      |
| • Complete MLOps project with CI/CD and Monitoring   |                      |
| • Uses RAG with semantic search, embeddings + LLMs to retrieve relevant sections                   |                      |
| • <b>Techstack</b> : Github Actions, FastAPI, vLLM, Supabase, ChromaDB, Docker, Prometheus/Grafana |                      |
| <b>Fire Detection System</b>   | Mar 2025 – Apr 2025  |
| IoT-based real-time fire detection and alerting system with camera input                           |                      |
| • YOLOv8 model trained on 1k+ annotated flame/smoke images (0.85 mAP0.5 and 0.95 Precision)        |                      |
| • Real-time alerts via Telegram API  |                      |
| • <b>Techstack</b> : Roboflow, Ultralytics YOLOv8, Docker, OpenCV                                  |                      |

## Skills

**Programming:** Python, Java, C++, Matlab, good understanding of Web Development and DevOps

**Tools & Frameworks:** PyTorch, Git, Docker, FastAPI, Github Actions, LaTeX

**Languages:** English (C1, IELTS 7.5), French (B2, DELF B2)

## Awards

**USTH Excellence Scholarship:** 100% tuition coverage

**Youth Union Certificate of Achievement (VAST):** Recognition for contributions to academic community

**Certificate of Achievement (USTH Learning Support Club):** For contributions in teaching and mentoring

**MOOC Certifications:** Deep Learning in Python: CNN-based Image Classification

## Extracurricular Activities

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- USTH Artificial Intelligence Club - Computer Vision Specialist
- USTH Learning Support Club - Math & CS Mentor, taught 300+ students in Machine Learning, Calculus, Linear Algebra
- Founded **PioTech Club**, an active STEM community in Quoc Oai High School.