



 **HOANG PHAM**

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## OBJECTIVE

With 3 years of experience in Artificial Intelligence and passion for Web Development, I am dedicated to advancing my expertise through research and practical applications. Currently pursuing an IT Master's degree at University of Eastern Finland, I aspire to contribute my skills and knowledge to real-world social impact projects.

## TECHNICAL SKILLS

**Chief skills:** Artificial Intelligence, Web Development

### Frameworks:

- ❖ AI engineering: Pytorch, Scikit-learn, NLTK, Hugging Face, LangChain
- ❖ Webapp deployment: FastAPI, Flask, React.js
- ❖ Database: MySQL, MongoDB
- ❖ Source management: Git, Docker
- ❖ Cloud service: AWS

## WORK EXPERIENCE

### AI Researcher

*Information Technology Center, Thuy Loi University*

Jan 2023 – Dec 2023  
Hanoi, Vietnam

- Project: Content-Based Image Retrieval (CBIR)
- Technologies: Pytorch Geometric
- Description: Investigating graph-based AI solutions for image search engines, conducting experiments and writing research papers.

### AI Engineer

*Akabot, FPT Corporation*

June 2022 – Dec 2022  
Hanoi, Vietnam

- Project: Electrical Invoice Information Extraction
- Technologies: YOLOv7, DBNet, MMOCR, FastAPI, Docker
- Description: Building AI solutions for document information extraction. Integrating AI model into backend api modules for further deployment.

### AI Researcher (Intern)

*Laboratory x Naver AI Center, Post and Telecommunication Institute of Technology*

Feb 2021 – May 2022  
Hanoi, Vietnam

- Technologies: Python, Pytorch
- Description: Building AI model solving computer-vision related laboratory projects.

## EDUCATION & TRAINING

**Master of Science in Information Technology** | *University of Eastern Finland* – In Progress

Sep 2024 – Present  
Joensuu, Finland

- Awarded a 2-year scholarship of 50%

**Degree of Engineer in Information Technology** | *Post and Telecommunications Institute of Technology*

Sep 2018 – April 2023  
Hanoi, Vietnam

- Minor: Software Engineering
- Assessment: Very Good – GPA 3.27/4. (Ranked in the top 7% of graduating students)

**Python and Machine Learning Specialization** | *FPT Software Academy*

Jan 2021 – May 2021  
Hanoi, Vietnam

- Received a training scholarship in Python and Machine Learning

## PUBLICATIONS

### Conference Papers

- **Hoang, P.H., Thanh, N.V., & Quynh, N.H. (2023). Image Representation Learning with Graph Convolutional Network for Content-Based Image Retrieval.** Proceedings of the National Conference on Fundamental and Applied IT Research (FAIR 2023), Da Nang City, Vietnam, September 28-29, 2023. DOI: [10.15625/vap.2023.0072](https://doi.org/10.15625/vap.2023.0072)

## LANGUAGE COMPETENCY

- English: **Competent user** - IELTS 6.5 (All above 6.0)
- Finnish: **Beginner** - Level A1.2 of Common European Framework of Reference





## EXTRA-CURRICULAR ACTIVITIES

**Volunteer** | *Volunteer for Education Organization (VEO)*

Sep 2019  
Mu Cang Chai, Yen Bai, Vietnam

- Teaching English for children in one of the most remote mountainous areas

## SOFT SKILLS

Critical thinking  Adaptability  Communication   
Problem solving  Teamwork 