

Phuong Nam Nguyen

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 [Linkedin](#)

Profile

AI/ML Engineer with experience building, deploying, and optimizing machine learning systems in production across healthcare, sustainability, and industrial domains. **No visa sponsorship required.**

Education

MSc in Data Science & Artificial Intelligence	2023 - 2025
<i>Eindhoven University of Technology</i>	<i>Eindhoven, Netherlands</i>
<ul style="list-style-type: none">Focus on Deep Learning, Computer Vision, and Generative AIThesis: Distributed machine learning for medical image analysis under real-world compute and deployment constraints.	
BSc in Artificial Intelligence (Cum Laude)	2020 - 2023
<i>University of Groningen</i>	<i>Groningen, Netherlands</i>
<ul style="list-style-type: none">Activities: Teaching assistantThesis: End-to-end medical image classification using Deep Learning.	

Experience

AI Engineer Intern	May 2025 – Dec 2025
<i>Delft Imaging</i>	<i>'s-Hertogenbosch, Netherlands</i>
<ul style="list-style-type: none">Designed and implemented a distributed machine learning pipeline for medical image analysis, reducing communication and computation requirements by up to 40%.Applied model optimization to achieve 3x faster inference on CPU-based edge devices.Tools & Technologies: PyTorch, W&B, ONNX, Prometheus, Docker, Linux, Python	
Junior Data Engineer (Part-time)	Dec 2023 – Dec 2025
<i>Greencaravan</i>	<i>Remote</i>
<ul style="list-style-type: none">Automated cloud infrastructure deployment using Infrastructure as Code, reducing manual setup effort.Built serverless APIs to integrate EV charging data, enabling downstream analytics and charging optimization.Developed a KPI analytics pipeline to assess user base health by extracting behavioral metrics and enabling real-time monitoring.Tools & Technologies: AWS (CDK, Lambda, API Gateway, EventBridge), GitHub Actions, MySQL, InfluxDB, Grafana	
Software Engineering Intern	Feb 2023 – Jun 2023
<i>ASML</i>	<i>Eindhoven, Netherlands</i>
<ul style="list-style-type: none">Built a full-stack monitoring application to ingest, store and visualize KPIs in real-time, reducing manual monitoring time by up to 70%.Tools & Technologies: FastAPI, InfluxDB, Grafana, Docker, Linux, Python	

Projects

Multilevel Audio Reconstruction with Implicit Neural Representations  GitHub	
<ul style="list-style-type: none">Developed a multiscale encoder-decoder architecture using Implicit Neural Representations (INRs) for high-fidelity audio signal reconstruction.Conducted systematic benchmarking on public datasets, achieving competitive objective metrics (MSE: 0.012, MAE: 0.068).Tools & Technologies: PyTorch, slurm, Signal Processing	
QuickSilver Graph Database Optimization  GitHub	
<ul style="list-style-type: none">Designed and implemented performance-critical algorithms for large-scale data processing, reducing query execution latency.Improved query efficiency through optimized estimation, caching, and algorithmic design, lowering compute and memory overhead by up to 50%.Tools & Technologies: C++, Optimization, Algorithms, Graph Processing	
RAG Travel Recommendation Map (Hackathon)	
<ul style="list-style-type: none">Built an LLM-powered recommendation backend using Retrieval-Augmented Generation (RAG) for city-based travel suggestions.Implemented semantic search with FAISS and LLM-based ranking over Google Maps place metadata.Tools & Technologies: Python, FastAPI, LangChain, FAISS, LLMs	

Skills

GenAI & LLMs: LLMs, Hugging Face, LangChain, Transformers, Retrieval-Augmented Generation (RAG)
Machine Learning: PyTorch, TensorFlow, scikit-learn, NumPy, pandas, Computer Vision
Programming Languages: Python, R, SQL, C/C++
MLOps & Deployment: AWS, Docker, FastAPI, CI/CD, Monitoring, Linux, Git, W&B
Data & Observability: InfluxDB, Prometheus, Grafana
Concepts: Distributed Systems, Optimization, Data-Intensive Systems
Soft Skills: Communication, Problem-solving, Teamwork, Scientific Research
Languages: English (C2), German (C2), Czech (Native), Vietnamese (Native)