

EDUCATION

- **Hanoi University of Science and Technology** Hanoi, Vietnam
Bachelor of Science in Data Science and Artificial Intelligence *Oct. 2020 - Aug. 2024*
 - **Thesis:** Efficient Class Incremental Learning for Object Detection

EXPERIENCE

- **Menlo Research** Singapore, Singapore
LLM Researcher *Nov. 2024 - Apr. 2025*
 - **Ichigo-ASR:** Trained Speech Tokenizer to support multiple Asian languages, achieving SOTA results on viVoice and LibriTTS-R
 - **Ichigo Ecosystem:** Developed developer-focused speech package, provides easy access to advanced speech models via API, optimizing audio processing for faster deployment
- **Viettel Group** Hanoi, Vietnam
Data Scientist *Apr. 2024 - Nov. 2024*
 - **Conversational AI:** Developed a real-time, end-to-end “zero-touch” universal AI assistant with a multimodal multi-agent system, multimodal capabilities, personalized responses and creating Vietnam’s first multimodal CRS
- **Viettel High Tech** Hanoi, Vietnam
Computer Vision Researcher *Mar. 2023 - Aug. 2023*
 - **Video Compression:** Researched INRs for videos, resolved temporal information problem in previous methods, achieved SOTA results for video reconstruction and compression tasks

PROJECTS

- **Detect Cheating in Examination:** Researched and deployed real-time cheating detection solution using Pose3D and VideoMAE for 100-person exam rooms; featured on VTV24, DanTri, HUST, etc.
- **Gemini Omni:** Developed a real-time web application showcased at Google I/O Extended Hanoi 2024, featuring speech-to-speech, multimodal integration for Vietnamese, and RAG for live updates

PUBLICATIONS

- **3DNeRV (Phase 1, AAAI 2024):** A Cube-wise Neural Representation for Videos
- **Speechless (UR, Interspeech 2025):** Speech Instruction Training Without Speech for Low Resource Languages
- **Poseless (arXiv, 2025):** Depth-Free Vision-to-Joint Control via Direct Image Mapping with Vision Language Model

SKILLS

- **Areas of Interest:** Multimodal/Reasoning LLMs, Multi-agent Systems, LLM Systems
- **Programming Language:** Python, C++, CUDA, Triton, TypeScripts, Java, Javascripts, SQL
- **MLOps:** Docker, Kubernetes, MLflow, Airflow, ZenML, Weaviate, WandB
- **Framework:** PyTorch, TensorFlow, Hugging Face, vLLM, SGLang, LlamaFactory, Langchain

CERTIFICATES

- **Vietnamese Standardized Test of English Proficiency** 2024-2026
 - **Level:** B2

VOLUNTEERING

- **Google Developer Groups Hanoi:** Spoke at DevFest 2022 and organized Google I/O Extended 2022, 2023, 2024; DevFest 2022, 2023; IWDxFFE 2023 and Build with AI 2024; certified by Google’s Global Headquarters
- **SheCodes Vietnam:** AI Mentor of SheCodes Hackathon Hanoi 2023
- **Nestlé:** Ambassador of MT SparkTheNext Leaders Program 2023 & 2024
- **AIESEC:** Representative of Mini Leadership Conference 2022
- **VinAI Research:** Technical Collaborator at AI Day 2022

ACHIEVEMENTS

- **Top 1**, Viettel Digital Talent 2024 (Data Science & Artificial Intelligence)
- **Third Prize**, Excellent Students Contest in Math 2019 (Provincial Merit Competition)
- **Winner**, Innovation Lab Asia CrowdPitch
- **Best Incubatee**, TechYouth (VinUniversity)
- **CCMG Grantee**, Cyberport (2nd largest incubator in Hongkong with 5 unicorns)
- **Top 1**, X-Challenge by VCCorp
- **Top 1**, Prometheus in digital transformation by European Union (out of 4000 teams)
- **Top 1**, Business Challenge 6 by Vietnam National University
- **Top 5**, Youth Impact Entrepreneurs by PNJ (VN30 Index)
- **Top 6**, Hult Prize Asia Summit 2022 (out of 1000 teams)
- **Top 20**, University Startup World Cup (out of 5000 teams)
- **Top 30**, Moonshot Global (out of 3000 teams)
- **Top 100**, XPITCH global (out of 4000 teams)