

Le Duc Anh Tuan

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EDUCATION

- **Hanoi University of Science and Technology** Hanoi, Vietnam
Bachelor of Science in Data Science and Artificial Intelligence *Oct. 2020 - Present*

EXPERIENCE

- **Google Developer Groups** Hanoi, Vietnam
Lead of Technical Team *Sep. 2022 - Present*
 - **Leadership:** Planned and created project blueprints, delegated tasks to individuals, connected teams, and provided future operational guidance.
- **VinBrain** Hanoi, Vietnam
Applied Scientist *Sep. 2023 - Dec. 2023*
 - **MRI:** Researched model segmentation in rectal cancer diagnosis and treatment support.
- **Viettel High Tech** Hanoi, Vietnam
Computer Vision Researcher *Mar. 2023 - Aug. 2023*
 - **3DNeRV:** Researched INRs for videos, resolved temporal information problem in previous NeRV-based methods, achieved SOTA results for video reconstruction and compression tasks.
- **Data Science Laboratory** Hanoi, Vietnam
Machine Learning Research Assistant *Jan. 2022 - Sep. 2023*
 - **Continual Learning:** Researched adaptive dropout for sequential task-based data learning.
- **IWannaTech** Hanoi, Vietnam
Computer Vision Engineer *Jun. 2022 - Mar. 2023*
 - **Pose Estimation:** Implemented gesture recognition model for anime dance modeling using VideoPose3D.
 - **Object Detection:** Deployed real-time facial recognition for attendance tracking using YOLOv5 Tiny and FaceNet architectures in a 1000-employee company.
 - **Segmentation:** Researched and deployed edge SOD for recognizing Korean and English fonts on name cards, leveraging U2Net and DIS architectures.
- **LEAN Platform** Southeast Asia
Machine Learning Researcher *Aug. 2022 - Jan. 2023*
 - **Action Recognition:** Developed real-time Conv3D model for concentration recognition in online self-learning platform with 10000 users.

PROJECTS

- **Detect Cheating in Examination:** Researched and deployed real-time cheating detection solution using Pose3D and VideoMAE for 100-person exam rooms.
- **Google I/O 2023 Website:** Designed front-end client and admin websites, deployed hosting, and tracked event emails.

SKILLS

- **Research Topic:** Video Reconstruction, Video Compression, Action Detection, Stable Diffusion.
- **Programming Language:** Python, SQL, Java, C++, CUDA, Triton.
- **Framework:** PyTorch, TensorFlow, XGBoost, OpenCV, ONNX, FastAPI, Flutter.
- **DevOps:** GitHub, WandB, Docker, Linux.
- **Language:** Vietnamese, English (C1)

VOLUNTEERING

- **Google Developer Groups Hanoi:** Speaker presents "Detecting Cheating in Examinations" at DevFest 2022.
- **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.