

# Tuan Le Duc Anh

tuanlda78202.github.io

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## EDUCATION

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- **Hanoi University of Science and Technology** Hanoi, Vietnam  
*Bachelor of Science in Data Science and Artificial Intelligence* *Oct. 2020 – Aug. 2024*

## EXPERIENCE

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- **VinBrain** Hanoi, Vietnam  
*Computer Vision Researcher* *Oct. 2023 - Present*
  - **Medical Image:** Researched model segmentation in colorectal 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, and submitted to AAAI 2024 conference for video reconstruction and compression tasks.
- **Google Developer Groups** Hanoi, Vietnam  
*Lead of Technical Team* *Feb. 2023 - Present*
  - **Leadership:** Planned and created project blueprints, delegated tasks to individuals, connected teams, and provided future operational guidance.
- **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.
- **Data Science Laboratory** BKAI, Vietnam  
*Machine Learning Research Assistant* *Jan. 2022 - Present*
  - **Continual Learning:** Researched adaptive dropout for sequential task-based data learning.
- **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

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- **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

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

## VOLUNTEERING

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- **SheCodes Vietnam:** AI Mentor of SheCodes Hackathon Hanoi 2023.
- **Nestlé:** Ambassador of MT SparkTheNext Leaders Program 2023.
- **AIESEC:** Representative of Mini Leadership Conference 2022.
- **Google Developer Groups Hanoi:** Speaker presents "Detecting Cheating in Examinations" at DevFest 2022.
- **VinAI Research:** Technical Collaborator at AI Day 2022.