

# Tuan Le Duc Anh

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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 – Oct. 2024

## EXPERIENCE

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- **Google Developer Group** Hanoi, Vietnam  
*Lead of Technical Team* Feb. 2023 - Present
  - **Training:** Guide coreteam members on general AI issues from Computer Vision perspective, deploying some practical applications
- **IWannaTech** Hanoi, Vietnam  
*Computer Vision Engineer* Jun. 2022 - Feb. 2023
  - **Pose Estimation:** Research and implement the problem of Pose2D and 3D recognition, applied to the modeling problem of anime dance application, based on VideoPose3D and OpenPose architecture
  - **Action Recognition:** Research and implementation of smoking behavior identification in factories, based on Pose and Conv3D
  - **Object Detection:** Researching and implementing the problem of object and person recognition, applied to the employee timekeeping problem by camera, based on YOLOv5 Tiny, YOLOv7 and FaceNet architectures
  - **Segmentation:** Researching and implementing segmtent and salient object detection of Korean and English images in the Namecard project, based on U2Net architecture
  - **OCR:** Research, custom code and implement Korean OCR, based on DBNet++
  - **US House Prediction:** Solve iFixerup problem, predict real house prices in the US, inspired by Zillow, based on boosting algorithms like XGBoost, LightGBM and CatBoost for tabular data
- **DSLAb** BKAI, Vietnam  
*Machine Learning Research Assistant* Dec. 2021 - Present
  - **Continual Learning:** Research on solving adaptive dropout architecture in Continual Learning problem
- **Google Developer Student Club** HUST, Vietnam  
*AI Developer* Oct. 2021 - Present
  - **Seminar:** Hold weekly seminars, discuss papers and outstanding applications in AI.
- **LEAN Platform** Southeast Asia  
*Machine Learning Engineer* Aug. 2022 - Jan. 2023
  - **Action Recognition:** Research, develop and deploy a model to identify concentration levels when self-studying, applying on an online platform, based on Conv3D

## PROJECTS

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- **Detect Cheating in Examination:** Research and apply the problem of identifying cheating behavior in exams; based on OpenPose, Transformer and VidConv3D for online streaming

## SKILLS & INTERESTS

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- **Skills:** AI Research, Deep Learning, Data Science, Leadership **Language:** Vietnamese, English (C1)
- **Programming Language:** Python, SQL, Java, C, C++, CUDA
- **Framework/Library:** Pytorch, TensorFlow, MXNet, XGBoost, OpenCV, ONNX, FastAPI
- **DevsOps:** GitHub, WanDB, Docker, Linux

## VOLUNTEERING

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- **Google Developer Group Hanoi:** Speaker present topic "Detect Cheating in Examination" at DevFest 2022
- **VinAI Research:** Technical Collaborator at AI Day 2022
- **Nestlé:** Ambassador of MT SparkTheNext Leaders Program 2023
- **AIESEC:** Ambassador of Mini Leadership Conference 2022