

TOAN NGUYEN

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About me: Student at ITMO University with a strong passion for AI Engineer, actively seeking job opportunities to work and improve my knowledge. Strong programming skills in Java and Python.

PERSONAL PROJECTS

Machine Translation Fine Tuning Pipeline

02/2023

- **GitHub:** <https://github.com/NgToanRob/ViVit-a-Pytorch-implementation>
- **Huggingface:** <https://huggingface.co/ngtoanrob/vien-translation>
- **Descriptions:** Build a pipeline to fine tune T5 model base on EnViT5 Translation model of VietAI
- **Tech stack:** Huggingface

Implement Video vision transformer

12/2022

- **GitHub:** <https://github.com/NgToanRob/ViVit-a-Pytorch-implementation>
- **Descriptions:** Using ViViT model to solve challenge liveness detection in Zalo AI contest in 2022.
- **Tasks in the team:** Research the theory of ViViT architecture, model optimization methods such as Stochastic depth, Random augment, Label smoothing
- **Tech stack:** Pytorch

Implement from scratch YOLO

12/2022

- **GitHub:** <https://github.com/NgToanRob/Yolov1-pytorch-implement>
- **Descriptions:** Implement YOLO model from scratch using Pytorch
- **Tech stack:** Pytorch

Build a python completed app server

08/2022

- **GitHub:** <https://github.com/NgToanRob/Django-AppServer>
- **Descriptions:** Free some APIs to manage data from drone with restfull api on Django framework. Using PostgreSQL to make database and caching data on redis. Deploy to a Linux server using nginx. Use docker compose to compact the process.
- **Tech stack:** Django, PostgreSQL, Redis, Docker, Docker compose

ACTIVITIES AND AWARDS

- **Third prize in the competition: Vietnam National Excellent Student in Physics**

01/2019

EDUCATION

Saint Petersburg

ITMO University

10/2021 – Now

- **Major:** Robotics and Artificial Intelligence
- **Coursework:** C and, Java Programming, Embedding theory, AI application
- **100% Scholarship**

Ho Chi Minh City

Ho Chi Minh City University of Technology

9/2020 – 04/2021

- **Major:** Mechatronics
- **Coursework:** Integral, Physics, Mechanical Theory, AutoCad
- **Top 4 GPA** of mechanical engineering faculty
- **Full Scholarship** of university and Scholaship of Pacific Links Foundation (USA)

SKILLS

- **Programming languages:** Java, Python
- **Familiar:** C, Matlab, PostgresSQL
- **Frameworks:** pytorch, tensorflow, Huggingface, Django
- **Tools:** Linux, GitHub, Gradle
- **Language:** English, Russian