

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, PostgreSQL
- **Frameworks:** pytorch, tensorflow, Huggingface, Django
- **Tools:** Linux, GitHub, Gradle
- **Language:** English, Russian