**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**

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| **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 | |

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| **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**

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| * **Third prize in the competition: Vietnam National Excellent Student in Physics** | **01/2019** |

**EDUCATION**

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| **Saint Petersburg** | [**ITMO University**](https://en.itmo.ru/) | **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**](https://hcmut.edu.vn/) | **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