



Tikhomirov Stepan

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Skills

Python · Git · Deep Learning · Computer Vision · PyTorch · OpenCV · SKLearn · XGBoost · SQL

Education

- **Bauman Moscow State Technical University**

Robotics and process automation; Third-year student; Average rating: 4.8

- **Courses:**

- Coursera: Specialization Machine Learning and Data Analysis - MIPT and Yandex
Finding structure in data - Computer Science Center
Bayesian Statistics: Techniques and Model - Higher School of Economics
- Stepik: Deep Learning (spring 2020): advanced stream – MIPT
Diving into the DBMS - Computer Science Center

Projects

- **Detecting Diseases of the Leaves of an Apple Tree from a Photograph**

Goal was do web service prototype that will predict healthy woods

Competition dataset had few examples, so we used various augmentation techniques, took ResNet101 pretrained on ImageNet and finetuned it on enlarged dataset.

- **Traffic Sign Classifier and Detector with Pytorch**

The goal of the project was to implement a classifier using deep learning to predict German traffic signs

I tried DenseNet and obtained a 90.2 % validation accuracy and 89.2 test accuracy

Additional task was do detection model, so i use YOLOv3 from lib and got MAP50 – 53.4

- **Kaggle:**

Journey to springfield Open Images 2019

Google Landmark Retrieval 2020

Others

- **English level: B2 - Upper intermediate**

Able to quickly get used to a topic that is new to himself. The level of English and knowledge in modern deep learning algorithms allows you to quickly read the latest article on arXiv.com, isolate the main idea and convey to the team

- **Member of University Fencing Team**

Participated in 4 fencing competition for Bauman Moscow State Technical University.

- **Highest mark on Russian Unified State Exam in physics**

Got a maximum score of 100 out of 100 on the post-school physics exam