VLADIMIR LYASHENKO

Junior Data Scientist

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EDUCATION

Higher School of Economics 2017 - 2021

Business Informatics Student, Applied Math and Computer Science. GPA : 8.71/10

Programming School 21 2019 - 2021

Software Engineering and Data Science Student

SKILLS

Python	Numpy, Pandas, OpenCV.
ML and DL Stack	Scikit-learn, Scipy, TensorFlow, PyTorch, TVM.
Linux	Command-line tools and shell scripting.
Git	Working with repositories and branches.

WORK EXPERIENCE

SkillFactory, ML and DL Mentor May 2020 - Present

- Developed managerial skills, enhanced ML and DL knowledge by working as a teacher and applied it to our team's development of the brand new online course.

NeuroDataLab LLC, Data Science, Junior Data Scientist April 2020 - August 2020

- Analyzed the benefits of TVM package and converted multiple neural networks to TVM.
- Developed and deployed CNNs which detected human emotions and blinks frame by frame

NeuroDataLab LLC, RnD, Junior Data Science Analyst November 2019 - April 2020

- Worked with multiple API and datasets to perform analysis on Fraud detection, Heart, Breath and Blood Rate problems, checked various hypothesis.
- Developed and deployed a CNN that was used to detect human valence via video and worked on Fraud detection problem by applying classification algorithms on datasets.

PROJECTS

Valence CNN February 2020 - March 2020

· Had a business unit inquiry to developed a NN which would compute humans' valence via video frame by frame
· Fine-tuned resnext-50 to solve this problem using PyTorch, enhanced algorithm performance by training it on various datasets.
· Implemented the Python cover for the solution and presented it to the RnD team.

Emotion Recognition CNN June 2020 - July 2020

· Formed the pipeline, iteratively experimented with each part of pipeline. The final solution is a custom MobileFaceNet achitecture on Tensorflow with a custom loss function to take account of class disbalance.
· Trained the network, converted the pipeline to TVM and computed performance metrics.
· Implemented the Python cover for the solution and presented it to RnD team .

Blink Detector CNN July 2020

· In short order implemented custom MobileNet achitecture on PyTorch and trained it to detect open or close eyes.
· Created and implemented the whole pipeline, developed postprocessing and visualization.
· Converted the whole pipeline to TVM and measured the performance metrics.