

Nikita Detkov

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EDUCATION

ITMO University, Saint Petersburg, Russia

Sep 2020 – Jul 2022

M.S. in Big Data and Machine Learning (Eng. program)

Ural Federal University, Yekaterinburg, Russia

Sep 2016 – Jul 2020

B.S. in Applied Informatics, GPA: 4.66 / 5.00

Thesis: *Influence of the label smoothing of pseudo-labeled data on training Convolutional Neural Networks*

PUBLICATIONS

K. Ushenin, N. Detkov, T. Nesterova, D. Smarko, A. Razumov and O. Solovyova, “Unsupervised Learning to Analysis of Population of Models in Computational Electrophysiological Studies”, IEEE, SIBIRCON 2019

WORK EXPERIENCE

Malivar, Moscow, Russia (Remote)

Machine Learning Engineer

Mar 2020 – Present

- Conducting research and development related to Person Animation, Neural Rendering and Super-Resolution fields.

Sberbank, Yekaterinburg, Russia

Data Scientist

Sep 2018 – Apr 2020

- Created a model which maximizes profits from the seller’s motivation system.
- Extracted a lot of previously unknown knowledge about internal processes using data analysis and visualization;
- Invented and tested hypotheses for variety of pilot projects;

Data Science Intern

Jul 2018 – Sep 2018

- Did data mining, analysis and visualization to answer business questions.

PROJECTS & LEADERSHIP

- Implementation of the generalized 2D convolution with dilation from scratch in Python and NumPy;
- Led Deep Learning workshop as a guest lecturer.
Topics: Zero-Shot Learning, Super-Resolution, Semantic Segmentation, etc.
Records can be found on my site;
- Researched the possibility of improving Person Verification problem applying Super-Resolution.
Successfully confirmed the hypothesis with a team of students as a leader;
- Collected the largest open source music lyrics dataset with wide metadata.
Trained NN for Multi-Class genre Classification and created singers’ embeddings space to visualize their relations.

ACHIEVEMENTS

- Kaggle Competitions Expert:
 - Top 4% in “Severstal: Steel Defect Detection” competition on Multi-Class Semantic Segmentation;
 - Top 9% in “ASHRAE - Great Energy Predictor III” competition on Time-Series Prediction.
- Took 2nd place in the “BEST UrFU” hackathon on Customer Churn Prediction;
- Took 3rd place in the “IT BEST COMPETITIONS” hackathon on Late Payment Prediction.

ADDITIONAL INFORMATION

Skills: Python, SQL, Math, DS/DL Stack (PyTorch, Keras), Git, Bash, AWS

Key Strengths: Persistence, Adequacy, Scrupulousness

Interests: Self-Development, Astronomy, Hiking, Football, Quantum Computations