Kirill Semin

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QUALIFICATIONS

Programming: Python, Java, C/C++, OpenCV, SQL

Data Science Frameworks: Pytorch, Scikit-learn, Pandas, NumPy, Matplotlib

Tools: Git, Google Cloud Platform

WORK EXPERIENCE

AI Video Processing Specialist   Apr 2020 - Sep 2020
Huawei Technologies | Moscow, Russia

- [NDA] Test hypotheses on application of deep learning for video processing

Software Development Engineer Intern   Jun 2019 - Sep 2019
Yandex N.V. | Moscow, Russia

- Developed an **intersection finding algorithm** for A/B testing to find and fix statistically dependent experiments.
- Refactored **key data source** for recommender system to improve the ability to modify it.
- Developed functional testing system for one of the services of the product.

INDEPENDENT PROJECTS

DeepModerator — gitlab.com/deepmoderator   Nov 2018 - present

- Designed and developed the application to simplify forum/social network toxic comments moderation in collaboration with the teammate.
- Taught myself Python and Machine learning to develop this application and deploy it on Google Cloud Platform.
- Tested multiple ML models for toxic comments detection using ROC-AUC as metric.
- Applied **transfer learning** (context independent embeddings, BERT), **active machine learning** (human-in-the-loop) and automatic data collection & interpretation to increase quality of toxicity considering the lack of labeled data.

COURSES

Deep Learning Specialization   2018
Coursera | Deeplearning.ai
Certificate - Average grade achieved: 99%.

Machine Learning   2018
Coursera | Stanford & Andrew Ng
Certificate - Grade achieved: 98.8%.

EDUCATION

Master's degree, Information Systems and Technology   Now attending
Bauman Moscow State Technical University | Moscow, Russian Federation

Bachelor's degree, Information Systems and Technology
Bauman Moscow State Technical University | Moscow, Russian Federation