

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

Computer Vision Engineer Intern

Nov 2019 - Jan 2019

AxxonSoft LLC. | Moscow, Russia

- Research of machine learning/deep learning based surveillance person re-identification methods.
- Applied video background subtraction to improve the quality of OSNet model for image-based person re-identification on the SAIVT-SoftBio dataset

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 in A/B tests.
- 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](https://www.coursera.org/deeplearning)

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

2019 - 2021

Bauman Moscow State Technical University | Moscow, Russian Federation

Bachelor's degree, Information Systems and Technology

2015 - 2019

Bauman Moscow State Technical University | Moscow, Russian Federation