

# Kirill Semin

Moscow, Russia

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## QUALIFICATIONS

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

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

**Tools:** Git, Google Cloud Platform

## WORK EXPERIENCE

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### 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.

### Computer Vision Engineer Intern

Nov 2019 - Present

*AxxonSoft LLC. | Moscow, Russia*

- Research of machine learning/deep learning based surveillance person re-identification methods.

## INDEPENDENT PROJECTS

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### 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.

### HyperoptSearchCV — [github.com/DrMatters/hyperoptsearchcv](https://github.com/DrMatters/hyperoptsearchcv)

Jan 2019

While preparing for the competition **developed** a Python utility which allows using Hyperopt with scikit-learn pipelines. It provides interface similar to GridSearchCV of scikit-learn.

## COURSES

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### 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

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

2019 - 2021

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

2015 - 2019