

# 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, NumPy, Matplotlib, NLTK, SpaCy

**Tools:** Git, Google Cloud Platform

## WORK EXPERIENCE

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### Data Scientist in NLP

Sberbank | Moscow, Russia

Sep 2020 - Now

- Apply NLP/Deep Learning techniques to solve tasks for other business units.

### AI Video Processing Specialist

Huawei Technologies | Moscow, Russia

Apr 2020 - Sep 2020

- [NDA] Test hypotheses on application of deep learning for video processing;
- Vectorized algorithms by implementing them in Pytorch making them several times more efficient in run time.

### Software Development Engineer Intern

Yandex N.V. | Moscow, Russia

Jun 2019 - Sep 2019

- 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

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### DeepModerator — [gitlab.com/deepmoderator](https://gitlab.com/deepmoderator)

Nov 2018 - July 2019

- Designed and developed the application to simplify forum/social network toxic comments moderation in collaboration with the teammate;
- Tested multiple ML models for toxic comments detection using ROC-AUC as a metric and deployed the project on Google Cloud Platform;
- 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

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### Deep Learning Specialization

Coursera | [Deeplearning.ai](https://www.coursera.org/deeplearning)

2018

Certificate - Average grade achieved: 99%.

## EDUCATION

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### Master's degree, Information Systems and Technology

Bauman Moscow State Technical University | Moscow, Russian Federation

Now attending

GPA: 4.9/5

### Bachelor's degree, Information Systems and Technology

Bauman Moscow State Technical University | Moscow, Russian Federation

GPA: 4.8/5