

# Kirill Akhmetzyanov

Russia

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## Summary

- 5 years of experience in Python, Machine Learning, Deep Learning and Computer Vision and 3 years in Network Optimization.
- Experienced Senior Data Scientist with a demonstrated history of working in the Information technology industry.
- Experience of challenge participations in Computer Vision, NLP and recommendation systems.
- Published 13 scientific articles and 2 patents.
- Proven ability to work in an international team.
- Reading, writing and speaking English.

## Experience



### Senior Data Scientist

Huawei

Nov 2021 - Present (1 year +)

Development of rapid learning algorithms for neural networks and increasing quality of neural networks in new 8-bit floating point data type. Responsibilities and achievements:

- Conceptualized and developed 4 methods for increasing the accuracy of deep learning models in 8-bit floating point data type.
- Optimized 6 computer vision models (including body tracking, pose estimation and semantic segmentation).



### Data Scientist

Forecsys

Jun 2021 - Oct 2021 (5 months)

Research and development of 3 projects: segmentation of defects in cars, classification of human activity by time series and price forecast for medicines based on historical data. Responsibilities and achievements:

- Built the data labeling system.
- Developed statistical models for price forecasting.
- Designed a human activity classification model.
- Conceptualized the architecture of image segmentation deep learning system.

### Data Scientist

Sortomat

Nov 2017 - Sep 2021 (3 years 11 months)

Joined the startup Sortomat (<https://sortomat.ru/en>) at an early stage as a data scientist.

Responsibilities and achievements:

- Designed and built a computer vision and deep learning system.
- Published 13 scientific articles and 2 patents.

- Participant of TensorFlow Research Cloud (TFRC) program.

## PHD Student

Perm State Technical University (PSTU)

Oct 2017 - Sep 2021 (4 years)

Defended PhD work on the research and development of an automatic sorting system for plastic bottles to make it accurate and cheap

## Education

### Perm State Technical University (PSTU)

PhD Student, Computer Science

2017 - 2021

Research and development for solving waste management problems namely making the automation of sorting plastic materials cheaper

Thesis: "Development of computer vision algorithm based on neural networks for sorting of plastic materials"

Advisor: Alexander Yuzhakov

Department of Electrical Engineering

### Perm State Technical University (PSTU)

Master's degree, Information Security

2012 - 2017

Thesis: "Development of face recognition program for access control systems"

Advisor: Alexander Yuzhakov

Department of Electrical Engineering

## Licenses & Certifications



**Machine Learning - Coursera**

JBH22Z6PH2L2



**Neural Networks and Deep Learning - Coursera**

E4HDCA8HW2K9

## Skills

Python (Programming Language) • Network Optimization • Machine Learning • Computer Vision • Data Science • Deep Learning • TensorFlow • PyTorch • Natural Language Processing (NLP) • Recommender Systems