

# Alexey Lopatin

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## Work experience

### Yandex

St. Petersburg, Russia

Intern ML Engineer

Feb 2020 - Jun 2020

- Improved quality metrics of recommendation system on films and series  $\approx 3\%$
- Added validation of data in regular pipeline, which prevents decreasing of recommendations quality
- Made many AB experiments (e.g. experiment of adding candidate generator from top makers, experiment of new series formula with various hyperparameters and objective function) and some of them were added to production

## Education

### National Research University Higher School of Economics

B. Sc. in Applied Math and Computer Science

St. Petersburg, Russia

2020–Present time

### Computer Science Center (Yandex, JetBrains)

Three-year Degree Program in Data Science & Software Engineering

St. Petersburg, Russia

2019–Present time

I have successfully completed the following courses:

- Self-driving • Reinforcement Learning • NLP • Machine Learning
- Probability theory • Math statistics • Algorithms • Hadoop • Python

### National Research ITMO University

B. Sc. in Software Engineering

St. Petersburg, Russia

2018–2020

## Relevant experience

### Telegram audio bot ([repo](#))

Speech-to-text and backend (Yandex SpeechKit, Telegram API)

Developer

### Huawei Hackathon

2D Image inpainting (Computer Vision, Keras/Tensorflow)

Participant

2019

### Yandex ML Track ([repo](#))

Text classification (Scikit-Learn, Catboost, Pytorch)

Finalist

2019

### Shashka

Taxi aggregator (Django REST API, finance API was integrated)

Backend Developer

2020

## Programming skills

**Programming languages:** Python • SQL • C++ • Java • Bash

**Frameworks & Libraries:** PyTorch / Keras • Catboost/XGBoost • Numpy/Pandas • Scikit-Learn • Flask/Django

**Big Data:** Hadoop • Spark • ETL Processing • Cloud computing

**Databases:** SQLite • MongoDB • Postgres • Redis

**DevOps:** Docker • Heroku • Git

## Additional Info

- Participated in the final round of Math Republic Olympiad, was 3rd in the semi-final
- Actively took part in programming contests, several times took place in top-200 among 4000+ participants, have solved more than 1000 tasks on [Codeforces](#)
- I have lots of experience working in teams, enjoy working on non-trivial problems and determined to learn something new

## Languages

○ **Russian:** Native

○ **English:** Upper Intermediate