

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 can prevent 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 first one example was 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)

Data Science & Software Engineering

St. Petersburg, Russia

2019–2021

I have successfully completed the following courses:

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

National Research University ITMO

B. Sc. in Software Engineering

St. Petersburg, Russia

2018–2020

Relevant experience

Telegram audio bot

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

Developer

Huawei Hackathon

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

Participant

2019

Yandex ML Track

Text classification (Scikit-Learn, Catboost, Pytorch)

Finalist

2019

Shashka

Taxi aggregator (backend developer, finance API mostly)

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 school Math Republic Olympiad, was 3rd in 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

Languages

○ **Russian:** Native

○ **English:** Upper Intermediate