Alexey Lopatin

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Work experience

Yandex   **Intern ML Engineer**
St. Petersburg, Russia   *Feb 2020 - Jun 2020*

○ Improved quality metrics of recommendation system on films and series ≈ 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

Mail.ru Group   **Junior Data Scientist**
St. Petersburg, Russia   *Oct 2020 - Present time*

○ Added YouTube-8M based category classifier to video recommendation system as part of XGBoost model

Education

National Research University Higher School of Economics   **St.Petersburg, Russia**
B. Sc. in Applied Math and Computer Science   *2020–Present time*

Computer Science Center (Yandex, JetBrains)   **St.Petersburg, Russia**
Three-year Degree Program in Data Science & Software Engineering   *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   **St.Petersburg, Russia**
B. Sc. in Software Engineering   *2018–2020*

Relevant experience

Telegram audio bot (repo)   **Developer**
Speech-to-text and backend (Yandex SpeechKit, Telegram API)

Huawei Hackathon   **Participant**
2D Image inpainting (Computer Vision, Keras/Tensorflow)   *2019*

Yandex ML Track (repo)   **Finalist**
Text classification (Scikit-Learn, Catboost, Pytorch)   *2019*

Shashka   **Backend Developer**
Taxi aggregator (Django REST API, finance API was integrated)   *2020*

Programming skills

Programming languages: Python ● C++ ● Scala ● SQL ● Java ● Bash
Frameworks & Libraries: PyTorch / Keras ● Catboost/XGBoost ● Numpy/Pandas ● Scikit-Learn ● Flask/Django
Big Data: Hadoop ● Spark ● ETL Proccessing ● 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