Sergei Miller

☎ +79857492715 (ru)
☎ +351939209177 (pt)
✉ sergey.miller@phystech.edu

Languages

Russian	native
English	C1
German	A1

General Information

I have more than 5 years of machine learning research, data science and software development using various programming languages and platforms. Over 3 years of C++ programming experience, as well as about 2 years spent using Java. Also have experience with Python and Go. Good knowledge of ML-pipelines at Recommendations and Natural Language Processing systems, training models and deploying them. Moreover I have successful experience to lead 5 interns in different times and organizations. Regularly participate and win programming competitions and hackatons related to ML or blockchain topics.

Hard skills

Languages	C++/Python/SQL/Java/Scala/Solidity/Go
Data Analysis	Jupyter/Zeppelin/Pandas/Matplotlib/Grafana/Prometheus/Kibana/Holistics
Frameworks and Data bases	TensorFlow/PyTorch/TorchVision/OpenMP/Hadoop/Django/Spring/Cassandra/Mongo

Professional Experience

12/2020-now — **Senior Machine Learning Engineer**, *Joom*, Moscow/Lisbon(after 02.2023 have Portugal residence permit).
R&D in recommendation systems for goods marketplace: develop new ML features to improve quality/stability of recommendations for products, related to ALS, kNN-indexes, real-time counters, neural networks. Do business features to improve promotions and social network posts, fit new ML-based models to increase business metrics(conversion, profits) for Ads and SEO teams. Overall improved ads returns for XX% and conversion at recommendations for X% (Java/Scala/Recommendation Systems/Analytics/NLP)

09/2018-11/2020 — **Middle Machine Learning Engineer**, *Yandex*, Moscow.
R&D in web-search and web-recommendations: create ML-pipelines with neural nets to improve quality of ranking for search engine (Python/C++/NLP).

04/2018 - 08/2018 — **Software Engineer Intern**, *Yandex*, Moscow.
Developing open-source gradient boosting library, speed up multiclassification mode, https://catboost.ai (C++/Python/GBDT)

10/2017-04/2018 — **Data Scientist**, *ACRA-ratings*, Moscow.
Financial risk analysis, ML-models design and development(Statistics/Python/R/SQL).

07/2017 - 09/2017 — **Quantitative Researcher Intern**, *WunderFund*, Moscow.
High-frequency trading strategies development(HFT/ML/Cython).

Education

09/2014–08/2018 — **Moscow Institute of Physics and Technology(MIPT)**, *Applied Mathematics and Computer Science*, Bachelor. **GPA: 4.9/5**

09/2018–08/2020 — **Moscow Institute of Physics and Technology**, *Applied Mathematics and Computer Science*, Master.

Seminars, courses

09/2017–06/2019 — **Yandex School Of Data Analysis**, *https://yandexdataschool.com Supplementary education, Department of Big Data*.