

# Sergei Miller

Moscow  
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## Education

2014 –2018 **Moscow Institute of Physics and Technology(MIPT)**, *Bachelor of Applied Mathematics and Computer Science, Department(Faculty) of Innovation and High Technology, Chair of Data Analysis.*  
**GPA: 4.9/5**

**Bachelor thesis title** - *A mathematical model and the necessary resources for solving the problem of finding abnormal aircraft landings in unmarked data sets.*

2017–2019 **Yandex School Of Data Analysis**, <https://yandexdataschool.com> *Further education, Department of Big Data.*

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

**Master thesis title** - *Pretraining of language models for searching entities in the knowledge base.*

## Experience

2017 **Quantitative Researcher Intern**, *WunderFund*, Moscow.

July-August High-frequency trading strategies development(HFT/ML/Cython).

2017-2018 **Data Scientist**, *ACRA-ratings*, Moscow.

Financial risk analysis, ML-models design and development(Statistics/Python/R/SQL).

2018 February– **Researcher**, *MIPT and Tinkoff Bank*, Moscow.

September Applications of reinforcement learning in financial interactions with clients.

2018 **Software Engineer Intern**, *Yandex*, Moscow.

May-August Open-source gradient boosting library, multiclassification mode development, see there - <https://catboost.ai> (C++/Python/GBDT)

2018 **Middle Machine Learning Engineer**, *Yandex*, Moscow.

September– Neural nets in web-search and web-recommendations, quality of search ranking(Python/C++/NLP).

2020

November

2020 **Machine Learning Engineer**, *Joom*, Moscow.

December– R&D in recommendation systems for goods marketplace(Java/Scala/Recommendations/Business Analytics/NLP)  
now

## Side Projects

2019-2020 **Add Cherry**, *Founder*.

Dating app without questionnaires and dating recommendations based on information automatically retrieved from social networks. Participant of MSU startup accelerator.

2020 **Rayon Nails**, [rayonnails.ru](https://rayonnails.ru), *Tech Adviser and Digital Marketer*.

Marketplace for beauty services with matches based on location. Top finalist of Alibaba GET Global Challenge 20

2020-now **TradingMind**, *Founder*.

I am developing an intelligent asset allocation system for the trading market, which is primarily based on real-time news analysis and precise market simulator

2021-now **NaFTalene**, *Manager/Blockchain Developer*.

We created apps for free NFT creation and for receiving NFT as a gift. We won 2nd and 3rd places on June and September Definition Hackatons, total gain 5K\$. For now work is continued

## Computer skills

Languages C++/Python/SQL/Bash/R/Java/Scala

Frameworks TensorFlow/Keras/PyTorch/OpenMP/MPI/Hadoop/Spring/Cassandra

## Interests

Discrete Mathematics, Statistics, Ranking, Recommendation Systems, RL, HFT