Maxim Ostroukhov

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Education

NRU Higher School of Economics, Moscow Campus   **September 2014 – June 2018**
B.S. in Business-Informatics, Minor in Data Mining

Skolkovo Institute of Science and Technology   **September 2019 – June 2021**
M.S. in Data Science

Yandex School of Data Analysis   **September 2019 – June 2021**
Machine Learning Engineer track

Work Experience

Data Analyst   **February 2018 – April 2019**
PJSC «BANK URALSIB»
- Conducted ad hoc Analytics in the cross-sales Department.
- Utilized ML techniques to produce personalised product offering and churn detection using Python/R.
- Set up a visualization of business metrics system at the department level using Shiny server.
- Maintained and refined the infrastructure for DS team work.

Research Activities

Credit scoring   **April 2017**
- Wrote a scientific research paper on the advantages of lazy classification with interval pattern structures with application on credit scoring using Python and R.

EEG fractal analysis   **June 2018**
- Diploma thesis about different nonlinear characteristics of multidimensional time series to predict epileptic seizures utilizing machine learning algorithms. Research paper was presented on ICAPM 2019 and won Student Research Paper Competition held by HSE University.

Major Projects

Pattern recognition in "Consultant Plus" search system time-series   **Jan 2017 – Feb 2017**
- Analyzed search queries frequencies in computer-assisted legal research system "Consultant Plus" using R and Python for user interest spikes detection and periodic needs determination.
- According to the analysis results search engine was modified to account for the new patterns.

Bayards cross-platform application   **May 2017 – Nov 2017**
- An international project in collaboration with Rotterdam University of Applied Sciences.
- Designed an IOS/Android mobile app for the helicopter pilots and helipads interaction using Xamarin (C#) framework to build a unified multi-platform system.
- Managed a team of 5 developers.

Skills & Qualifications

Programming Languages	Python/R, C++, C#
ML/DL stack	Pandas, Numpy, Sklearn, Data Visualization, SQL, LightGBM/Xgboost, Pytorch, Keras
Tools	Git, Bash, Docker
Theoretical basis	Algorithms and data structures, Probability/Statistics theory, Econometrics, Linear Algebra

Personal information

- One of the most valuable achievements up to the current time was switching from study-for-fee to state-subsidized attendance, that was made based on my academic performance during the 2nd year. Was ranked 9th out of 155 in the final ranking.
- Completed 6 MOOCs in CS &DS & Math
- Regular DS hackatons participant. Won a bronze medal(168/2151) in the last Kaggle contest.
- **Languages**: English B2-C1(Upper intermediate). Took part in Overseas Immersion Program 3 times.
- **Hobbies**: climbing, rafting, intellectual games