
Work

Nov. 2020 – Present **Sberbank, CIB**, Data Analyst.
Data Science, Process mining
Building a process graph, identification of non-optimal and bottlenecks, DPA log processing (desktop process analytics), digital timing, clustering comments/complaints, time series analysis and forecasting
Used: Python (pandas, numpy, matplotlib, seaborn, scikit-learn, XGBoost, nltk, keras, sberpm), Power BI, SQL, Power Point

Education

Sept. 2020 – Present **Moscow Institute of Physics and Technology, MIPT**, Master student, 2th year.
Department of Innovation and High Technologies
Field of study: Applied Mathematics and Physics
Specialisation: Machine Learning and Data Analysis, Banking Information Technologies ([SberTech](#))

Sept. 2016 – July 2020 **Moscow Institute of Physics and Technology, MIPT**, Bachelor student.
Department of Control and Applied Mathematics
Field of study: Applied Mathematics and Physics
Specialisation: Computer Science, State Research Institute of Aviation Systems ([FSUE SRIAS](#))
Supervisor: [Mikhail Okhotnikov](#), FSUE SRIAS, mao@gosniias.ru
GPA: 7.01/10.00

Main courses:

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|---|-----------------------------------|
| ○ Probability Theory & Stochastic Processes | ○ Functional Analysis |
| ○ Mathematical Statistics | ○ Calculus, Complex Analysis |
| ○ Big Data | ○ Linear and Abstract Algebra |
| ○ Machine Learning & Deep Learning | ○ Algorithms, Discrete Analysis |
| ○ Image Processing in control systems | ○ Computational Mathematics |
| ○ Optimization Methods | ○ General and Theoretical Physics |

Projects & practical experience

Aug. 2019-July 2020 **Bachelor's thesis. Studying of reliability indicators of onboard software.**
Algorithm development for assessing the complexity of testing software modules of onboard software and getting a hybrid metric using machine learning methods. Obtaining an indirect assessment of software reliability.
Used: C, Python (numpy, pandas, matplotlib, seaborn, scikit-learn, XGBoost and etc)
Supervisor: Mikhail Okhotnikov, [FSUE SRIAS](#)

Oct-Nov. 2019 **Application of the theory of complex systems to analyze and summarize information on the cost of researching a company's fields using machine learning methods.**
Educational practice on digitalization of processing and interpretation of geological and geophysical information, [Sirius](#) & [Gazpromneft STC](#)
The algorithm for predicting the profitability of exploration work depending on the complexity of the field and the oil recovery factor in it.
Used: Python (numpy, pandas, matplotlib, seaborn, scikit-learn, XGBoost, PyTorch)
Project mentor: [Boris Belozarov](#), [Gazpromneft STC](#)

Technical skills

Scientific Libraries	Python: NumPy, SciPy, pandas, matplotlib, seaborn, scikit-learn, XGBoost, nltk, keras, PyTorch
Operating Systems	MacOS, Windows, Linux (only for educational projects)
Professional software	SQL, Power BI, Jira, \LaTeX

Honors and awards

- 2016 – Present **Grant Recipient of the President of the Russian Federation, direction: science.**
- 2018 **Absolute winner of Hackaton for commercialization within the All-Russian student's school on nanotechnology, Sochi.**
- 2015 **3d place on IEPHO (Experimental Physics Olympiad) in the team competition of high school, Sochi.**
- 2015 **Prize-winner on All-Russian Olympiad on Technology, St. Petersburg.**
- 2013 – 2016 **Prize-winner on All-Russian Olympiad on Physics(region), Kirov.**
- 2015 – 2016 **Prize-winner of different school olympiads in physics, maths: MEPhI Nuclear University Olympiad "Rosatom", Saint-Petersburg State University olympiad, MIPT's Olympiad "Phystech".**

Extracurricular education

- Business accelerators:
- o Student accelerator [SberStudent](#) (by Sber & Stanford | Online) (finalists)
Creation a platform [Imperium](#) for measurable collaboration between bloggers and businesses
Role: data scientist, marketing specialist
 - o [Creative Industries Accelerator](#) (finalists)
Also with the platform "Imperium"
- Online Courses:
- o Python for Data Analysis (by Sberbank corporate university)
 - o [Machine learning in finance](#) (by Sberbank corporate university)
 - o [Mathematics and Python for Data Analysis](#) (by Yandex and MIPT in Coursera)
 - o [Supervised Learning](#) (by Yandex and MIPT in Coursera)
 - o [Unsupervised Learning](#) (by Yandex and MIPT in Coursera)
 - o [Basics of statistics](#) (by Bioinformatics Institute in Stepik)
 - o Neural Networks & Computer Vision (by Samsung Research Russia in Stepik)
In the progress

Languages

English	Upper-Intermediate (B2)
Français	Elementary (A1)
Russian	Native

Hobbies & extra activities

- Skiing, Cooking
- Mathematics tutor for schoolchildren
- Student travel organizer