Roman Nigmatullin

roman.nigmatullinm@gmail.com | linkedin.com/rmnigmatullin

EDUCATION

National Research University Higher School of Economics — Moscow, Russia
Bachelor of Science in Applied Mathematics — *Aug. 2020 – Present*

Yandex School of Data Analysis — Moscow, Russia
Machine Learning Engineering — *Sep. 2023 – Present*

EXPERIENCE

Yandex Self Driving Group — Moscow, Russia
Data Analyst, Product / Operations — *Dec. 2022 - Present*

`Python` `SQL` `YTSaurus` `Spark` `DataLens`

- Lead team of three analysts to create reporting system from operational tools to C-level KPI metrics
- In collaboration with Data Engineering team developed stable data pipelines and data infrastructure for analytics department

Yandex Market — Moscow, Russia
Data Analyst, Delivery — *July 2021 - Nov. 2022*

`Python` `SQL` `YTSaurus` `Tableau`

- Led the first major effort to use geoanalytics for decision making in logistic network growth strategy
- Developed an algorithm for choosing new pickup point locations, led the development and integration project and increased average monthly orders of new points by 60%.
- Integrated new placement strategy and guard zone model for pickup points, based on walkability, which resulted in 3 times network growth in 5 months, up to 50% increase of available area, and sufficient delivery cost decrease.
- Made a lot of research for last mile delivery services, conducted multiple experiments together with product and development teams.

PROJECTS

QBER Forecasting — Moscow, Russia
`PyTorch` `Catboost` `Python` — *Nov. 2022 - Present*

Developing an algorithm for quantum bit error rate forecasting for a pair of quantum transmitters using machine learning and deep neural networks.

Applied math models on Python — Moscow, Russia
`Python` `numpy` `numba` — *Jan. 2023 - Present*

Parallellized high-performance mathematical models, implemented in Python with JIT-compilation.

SKILLS

- Python, C++
- PyTorch, scikit-learn, SQL (Postgres, ClickHouse), Spark
- Data Engineering, ETLs, Data Pipelines, Machine Learning, Deep Learning