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Dmitriy Prusskiy

Data Scientist

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SUMMARY

An experienced Data Scientist in final year of M.S. in Big Data and Machine learning. Has nearly two years of experience in time series analysis and forecasting.

WORK EXPERIENCE

Data Scientist **Nov, 2020 — Jun, 2022**
NNFormat Saint Petersburg

- Forecasting hourly electricity consumption for factories, as well as electricity prices on wholesale markets in Russia, Scandinavia and UK.
- Made full-cycle machine learning process: data parsing, cleaning, analysis, model implementation, selection and tuning.
- Used both statistical models (Exponential Smoothing, ARIMA, SSA), ML models (Linear Regression, Random Forest, Gradient boosting, SVM), DL models (MLP, LSTM, Seq2Seq), and own "handmade" models, appropriate for the task.
- Deployed the models to production using Docker + Flask.
- Improved factories' forecasts by 37% at average.

Junior Research Scientist **Oct, 2021 — Jun, 2022**
ITMO University Saint Petersburg

- Researched the time series predictability concept. Worked on the dynamic construction of a graph from a time series and the use of the resulting graph to assess the internal predictability of the original time series.

EDUCATION

Master student of Big Data and Machine Learning, ITMO University **Sep, 2021 — Jun, 2023**

Bachelor of Computer Science, Saint Petersburg State University, SPbU: 4.3/5 **Sep, 2014 — Jun, 2019**

COURSES

dlcourse.ai **May, 2021 — Jun, 2021**

- Implemented artificial neural networks and convolutional neural networks using numpy, got a good understanding of how neural networks are trained and how PyTorch works. Used these knowledge to solve image classification tasks.

Deep Learning School **Oct, 2020 — Feb, 2021**

- Studied deep learning methods used to solve computer vision problems: image classification, object detection, semantic segmentation. Solved real problems of computer vision, implemented architectures of convolutional neural networks and different metrics and losses for object detection tasks.

mlcourse.ai **Aug, 2020 — Sep, 2020**

- Got basic knowledge in machine learning, studied linear regression models, random forest, kNN, SVM and gradient boosting.

Statistics basics, Introduction to Machine Learning **Aug, 2020 — Oct, 2020**

KEY SKILLS

Machine learning, Deep learning, Data analysis, Data mining, Feature engineering
Python, numpy, pandas, scipy, sklearn, statsmodels, matplotlib, PyTorch, lightgbm, optuna
PySpark, SQL, Git, Bash, Docker, Flask
Critical thinking, business understanding, team-working

LANGUAGES

Russian Native
English Upper-Intermediate