Gleb Nikiforov

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Summary

As a Data Scientist, I have engaged in various projects across different domains of Machine Learning, including Computer Vision, Natural Language Processing, Reinforcement Learning, and classic (tabular) Machine Learning. My projects have encompassed, but are not limited to, image quality assessment, dynamic pricing, demand forecasting, and Reinforcement Learning based routing.

Tech Stack:
* Programming Languages: Python (advanced), C++ (intermediate)
* Machine Learning: Scikit-learn, LightGBM, CatBoost, fbprophet
* Deep Learning: PyTorch, TensorFlow
* Visualization: Streamlit, Plotly, Seaborn, Matplotlib
* Deployment: Docker, Kubernetes, Airflow, FastAPI
* Data Manipulations: SQL, Clickhouse (in-depth)
* DevOps: Terraform, Google Cloud

I hold a Master's degree with distinction from the Faculty of Mathematics and Mechanics at Saint Petersburg State University.

Experience

Data Scientist
Semrush
Jul 2021 - Present (2 years 8 months)
At Semrush, I am proud to be a part of the product team within the Innovation Hub, where our primary focus is developing cutting-edge products to uncover new growth opportunities for the company. As a Data Scientist within this dynamic team, my responsibilities include implementing product features that leverage the power of machine learning models.

My role spans various domains of data science, including:
1. Classic Machine Learning: for instance, CTR prediction.
2. Computer Vision: for instance, developing a model for image quality assessment.
3. Natural Language Processing (NLP): for instance, generating product descriptions and alt texts for images.

Member
OpenDataScience [ods.ai]
Jan 2020 - Present (4 years 2 months)

Data Scientist
Gazprom Neft

Dec 2019 - Jul 2021 (1 year 8 months)
As a Data Scientist, I had the privilege to work on a range of impactful projects:

1. Dynamic Pricing: I contributed to developing and implementing dynamic pricing strategies, leveraging advanced data analytics and machine learning techniques. One of the critical challenges in this project was to measure the actual financial impact accurately, ensuring that the implemented pricing strategies delivered tangible results.

2. Operating Expenses Prediction: I developed a model for predicting operating expenses. One of the key challenges I encountered was balancing accuracy with interpretability, ensuring stakeholders could easily understand and trust the model's outputs.

3. Sales Forecasting: I was responsible for developing robust sales forecasting models that accurately predicted sales trends, even when dealing with tens of thousands of time series simultaneously. This complex task required an efficient solution to handle large-scale time series data.

4. Intern Mentorship: Beyond project work, I took on the responsibility of mentoring and guiding interns. This experience reinforced my commitment to knowledge sharing and fostering the growth of emerging talent within the organization.

Mathematics/Physics Tutor
Фриланс
Sep 2017 - Jun 2019 (1 year 10 months)

Junior Researcher
Saint Petersburg State University
Apr 2018 - Dec 2018 (9 months)

Education

Saint Petersburg State University
Master's degree, Fundamental mathematics and mechanics
2015 - 2020

Licenses & Certifications

The basics of clean code and agile development in Data Science - Luxoft

Skills

Docker • Data Science • Machine Learning • Python (Programming Language) • ClickHouse • Kubernetes • SQL • Git • Dynamic Pricing • Reinforcement Learning

Honors & Awards

50th Scientific and Educational-Methodical Conference of the ITMO University
Feb 2020

Participation with review of Reinforcement Learning algorithms in multi-agent routing.

GPN Intelligence Cup 2019 - Gazprom neft

Nov 2019
Winner of Data Science competition "GPN Intelligence Cup 2019" by Gazprom neft.

Yandex Cup 2020 - Yandex

Nov 2020
Finalist of Yandex Cup 2020 Analytics track