MARK BASOV

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OBJECTIVE

Data Scientist and 3rd year student at ITMO (GPA 3.76). Has 4+ years of programming experience, 2+ years Data Science experience, 6+ months of commercial work in Data Science. Currently works as a Data Analyst at Polymatica. Seeking professional growth. Ready to work full-time.

EDUCATION

Bachelor of Information Security, ITMO University   Expected 2024
Relevant Coursework: statistics, data storage and processing, machine learning, algorithms.

SKILLS

ML&DL	Numpy, CatBoost/XGBoost/LightGBM, Sklearn, Optuna, PyTorch, NLTK, transformers, SpaCy
DA	Pandas, Seaborn, Matplotlib, A/B testing
Other	Python, SQL (PostgreSQL, MySQL), Docker, AWS, Git, Linux
Languages	Russian (native), English (intermediate)

EXPERIENCE

Data Analyst   Oct 2022 - Present
Polymatica   *Moscow, Russia*

- Developed and maintain a recommendation system using a three-stage regression ML model. Contributed to the design of the optimisation problem and maintenance of its code. Analysis of results from partial dependencies and SHAP plots showed plausible dependencies.
- Optimized the marketing communications process. Analyzed multiple approaches to uplift modelling and built an ML model for the best one. Achieved positive uplift and qini scores.
- Researched autoencoder architectures for the task of detecting anomalies in time series data.

PROJECTS

ML Hackathon "Digital Breakthrough 2022".   Aug 2022
Created with the command website with the ability to download documents to the user of legal acts and subsequent classification of text paragraphs using the NLP model. We took 7th place.

Chatbot for classifying toxic comments   Jul 2022
Developed an AI-powered chatbot for identifying toxic chat messages, collecting information on users and rating users by toxicity. Chatbot uploaded and hosted (currently unavailable).

Vehicle detection and classification.   Apr 2022 - May 2022
Built a vehicle detection and classification model from noisy CCTV images. Independently collected and marked up all the data, tried several modelling approaches and achieved >90% classification accuracy.

COURSES

- **Deep Learning School**   Sep 2021 - March 2022
  Learned basic ML algorithms with a theory, basics of computer vision and NLP.

HOBBIES

Passionate about modern technologies in the field of AI, enjoys walking, visiting museums and theaters. Likes to participate in discussions on philosophical topics and is fond of Japanese culture.