

Sergei Saprunov

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About

A professional specializing in bringing value using machine learning and data analysis. I apply critical thinking and communication supported by a disciplined and structured approach to tackle complex problems. Eager for a role in a forward-thinking, data-oriented international company with exposure to global best practices and advanced technologies.

Experience

Data Scientist, Unitiki – Remote July 2023 – Mar 2024

- Implemented multiarmed bandit as a dynamic pricing tool, leading to a revenue increase by 7% at a cost of 2% turnover
- Refined existing A/B testing solution by enhancing power and type-I error calculation, increasing platform accuracy and interpretability
- Optimized transport route search process by integrating machine learning regression model output as a metric used for a decision making process

Data Scientist, OMK CJSC, Chusovoy Metallurgical Works – Remote Dec 2019 – Feb 2023

- Developed and implemented a time series forecasting model to improve monthly production demand accuracy (60,000 tons per year) and smooth the seasonal effect
- Increased Vanadium extraction rate of the ferroalloy production workshop by 4% using a machine learning regression approach
- Implemented Tensorflow object detection model in order to improve painting line throughput by replacing malfunctioning painting line elements

Data Analyst, LoyaltyPlant – Saint Petersburg, Russia June 2019 – Nov 2019

- Expanded Linux-based statistical exchange module, increasing partner data access by 60%
- Equipped Customer Success with actionable data and visualizations, dash.plotly dashboard, contributing to the communication and relationship-building with partners

Junior Data Analyst, Corona Auto – Saint Petersburg, Russia Sept 2018 – Dec 2018

- Initiated and conducted switch from Excel to Python for forecasting, reducing analytics department operational load by 12%
- Elevated forecasting accuracy by 14%, lowering MAPE from 22% to 19% through switch from moving average to fbprophet

Education

SPbPU (Peter the Great St.Petersburg Polytechnic University), Specialist in Construction of Unique Buildings and Structures Sept 2011 – Aug 2017

XAMK (South-Eastern Finland University of Applied Sciences), Bachelor of Engineering in Building Services Engineering Jan 2015 – Jan 2016

Skills

Programming & DevOps Tools: Python, Linux, Git, PostgreSQL, Docker, Airflow, PySpark, Yandex Cloud, Redash

Data Science Libraries: Pandas, fbprophet, scikit-learn, xgboost, Numpy, Matplotlib, SciPy, Tensorflow

Domain Expertise & Competencies: Machine Learning, Probability Theory, Statistics, Time Series Forecasting, Dynamic Pricing, Computer Vision, BI Tools