

# Sergei Saprunov

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## About

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A professional, specializing in bringing value using machine learning and data analysis. I apply critical thinking and communication supported by 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

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**Data Scientist**, Unitiki – Remote July 2023 – May 2024

- Implemented multiarmed bandit as a dynamic pricing tool, leading to the revenue increase by 7% at a cost of 2% turnover
- Refined existing AB 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 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 via replacing malfunctioning painting line elements

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

- Expanded and supported statistical exchange module on a linux server, increasing, the share of partners accessing app-related data 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

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**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 Construction of unique buildings and structures Jan 2015 – Jan 2016

## Skills

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**Languages:** Russian - Native, English - C1

**Programming Tools:** Python, SQL, Linux, Git, Docker

**Technological Stack:** Pandas, Sklearn, Numpy, Dash, Matplotlib, Seaborn, Plotly, Tensorflow