

# ARTEM PONOMARENKO

✉ selfdestructed

✉ slfdstrctd@yandex.ru

in in/slfdstrctd

## SKILLS

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**Programming** Python, SQL, R  
**Big Data & ML** Spark, Hadoop, YTsaurus  
Scikit-Learn, CatBoost, PyTorch  
**Databases** Clickhouse, SQLAlchemy, Postgres  
**Other** CI/CD, Docker, Kubernetes, Git, Bash

## EXPERIENCE

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**VK** Nov 2023 - Present

*Data Scientist*

- Enhanced the age prediction pipeline by identifying and resolving discrepancies in age determination, resulting in a highly accurate age prediction model and improving user profiling accuracy by 25%.
- Conducted a thorough evaluation of user interest data, which resulted in a 20% increase in targeting accuracy and a corresponding rise in CTR through A/B testing.
- Acquired and integrated high-quality geolocation data from Spherum to benchmark and evaluate the accuracy of various geolocation tools, enhancing the reliability of location-based analytics.
- Optimized the geolocation monitoring process by migrating from Hadoop to YTSaurus, reducing data processing time by 30% and increasing system efficiency.
- Implemented a monitoring system for identifier fluctuations, increasing data stability and reliability, thereby enhancing the overall quality of the user database.

**CRPT (Chestny Znak)** Sep 2022 - Nov 2023

*Data Analyst*

- Achieved a remarkable 4% MAPE improvement by developing a time series model for marking code application forecasting using Prophet, providing valuable insights for business decisions.
- Led ad-hoc big data analytics projects using Spark, delivering valuable insights to stakeholders.
- Monitored data anomalies in the data lake using Redash and orchestrated data reloading with Airflow DAGs to ensure data quality and accuracy.
- Optimized reports and queries from BI analysts and crafted data visualizations in Redash to effectively communicate insights.

## EDUCATION

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**ITMO University** Sep 2023 — Aug 2025

*Master of Science in Artificial Intelligence*

Remote

- Relevant coursework: NLP, RecSys, MLOps, DevOps.

**Saint Petersburg State University** Sep 2018 — Aug 2022

*Bachelor of Science in Applied Mathematics and Computer Science*

- Relevant coursework: Probability and Statistics, Data Analysis, Data Processing, Statistical Modeling.

## PROJECTS

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**Salary prediction based on resume for rabota.ru** 🔄 — CatBoost, Scikit-learn, Streamlit May 2024

- Performed data preprocessing, EDA, as well as trained and tuned models for predicting salary on different job clusters.

**Smatched (makeup transfer with Stable Diffusion)** 🔄 — PyTorch, Transformers, Streamlit Sep 2023

- Participated in development of state-of-the-art makeup transfer application using Stable Diffusion.