

Anastasiia Zhiboedova

Senior Data Scientist

H1B visa

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San Francisco

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- **5+ years of experience** in machine learning, data science and engineering.
- I dive deep into the sea of data, leveraging my intuition to unearth hidden treasures of valuable information.
- Expertise in collecting large and complex data sets, deploying ML models to production, designing A/B experiments, and developing KPIs
- Led data science projects to improve user experience and managed the development of new product tools

EXPERIENCE

DISH Network

USA, San Francisco

Senior Data Scientist / Customer retention

Nov 2022 — Present

- Successfully deployed the churn prediction model into production, resulting in significant cost savings of 10% per year, amounting to millions of dollars.
- Led the end-to-end development and execution of a churn prediction model, encompassing the entire process from defining key performance indicators to deploying the model into production.
- Implemented advanced techniques including XGBoost, Cross-Validation, Linear Regression, and PCA to engineer features, optimize model performance, and conduct A/B testing.
- Engineered a comprehensive 'Lake House' architecture for a Customer 360 database, facilitating advanced data analysis and machine learning applications.
- Leveraged business data analysis to gather insights and create effective offer selection programs.

Yandex

Moscow

Senior Data Scientist & Engineer / Search Quality Metrics and Datasets

Dec 2020 — Oct 2022

- Collected and curated diverse datasets to train Language Model (LLM) and NLP models, resulting in a 5% improvement in SERP (search engine results page) quality.
- Trained and implemented an embedding model to automate and reduce repetitive tasks in the crowdsourcing data pipeline, leading to a 25% reduction in project costs.
- Designed a key performance indicator (KPI) for user interaction on search result pages, enhancing the search user interface.
- Built and maintained real-time quality monitoring systems for efficient reporting and visualizations.
- Deployed a user classification model into production, achieving a 40% increase in A/B test sensitivity.

Product Analyst / Y.Health (telemedicine)

- Built dashboards, and generated customized regular reports for a telemedicine app, providing actionable insights.
- Increased the number of higher-ranked consultations by 15% through data-driven decisions for queue optimization.
- Developed and implemented strategies to optimize the financial model, leading to a 12% reduction in operating costs.
- Designed and implemented quality metrics to measure medical consultations, providing valuable insights and recommendations to healthcare stakeholders.

Institute for System Programming of the Russian Academy of Sciences

Moscow

Middle Data Scientist & Engineer / Gathering and Analysing Social Network Data

Jun 2018 – Dec 2020

- Developed data collection strategies to gather large-scale datasets, utilizing web scraping, API integration, etc
- Developed a social graph traversal optimization algorithm using multi-armed bandit
- Developed data warehouse and storage API with GraphQL
- Developed of a data visualization dashboard for detecting security breaches

SKILLS

Programming Tools

Python, Jupyter, Hadoop, AWS(SageMaker, Glue, Lambda, EC2)

Database

SQL (MySQL, PostgreSQL, Athena, Redshift), noSQL, ClickHouse, Apache Spark

Quantitative Research

Machine Learning, AI - LLM, AB-Testing, Statistics, Quality Metrics

Analytics tools

Tableau, MS Office (Excel, PowerPoint), Toloka

EDUCATION

B.S. in Applied Mathematics And Physics, (MIPT) Moscow Institute of Physics and Technology

2015 — 2019

Department of Control and Applied Mathematics.

Research area - Data Science: social network analysis

Data Science, 2-year Master-level program, OZON Masters

2019 — 2021

Data science and Business Analytics: Courses on programming, statistics, machine learning