Daniil Tretyakov

+7 900 656 0859 | trxxxxkov@gmail.com | @trxxxxkov | github.com/trxxxxkov

Education

Saint Petersburg State University Saint Petersburg, Russia

Bachelor's Degree in Applied Mathematics, Fundamental Informatics and Programming *Aug. 2020 – Present*

Technical skills

Mathematics: econometrics, probability theory, mathematical statistics, linear algebra, mathematical analysis, discrete mathematics

Languages: Python, C++, SQL (Postgres), R, Bash

Frameworks: PyTorch, Scikit-Learn, aiogram

Libraries: pandas, NumPy, SciPy, Matplotlib, statsmodels

Developer Tools: Linux (Arch, btw), Git, Docker, Nginx, SQLAlchemy, BI systems (DataLens), LeetCode

Commercial Projects

Telegram Bot powered by AI models | *Python, Aiogram, PostgreSQL, Docker, Nginx, DataLens*

- Using *Aiogram* and *OpenAI API*, created a web application that allows clients to interact with advanced generative AI models;
- Integrated *PostgreSQL* database, which significantly improved the reliability and scalability of the project;
- Set up *Yandex DataLens* for aggregation, visualization, and analysis of user statistics to enhance service quality;
- Configured *Nginx* as a reverse proxy to receive events via webhook, which doubled events processing speed;
- Designed and implemented a multi-container system using *Docker Compose*, which reduced the project deployment time on a new server to 1 minute;

Non-commercial Projects

Genetic algorithm for reduction and approximating the Pareto Set | *Python, SciPy, Matplotlib*

- Programmed a process of reduction of the Pareto set that uses a finite collection of information quanta;
- Considered and compared existing methods for Pareto set approximation;
- Adapted a genetic algorithm for usage in the iterative reduction process;

Participation in Competitions

Participant in the Backdrop Build competition in the «AI» category with the chxxxxbot project. *July 2024*

Participant in the E-CUP 2024 hackathon from Ozon Tech as a Data Engineer. *August 2024*

Preferred Working Conditions

Work schedules:

- Fixed working hours: 20-32 hours per week
- Flexible working hours: up to 40 hours per week

Locations:

- Saint Petersburg, Russia
- Fully remote work

Additional skills and knowledge

English level: Upper Intermediate (B2) | *Saint Petersburg State University Certificate* *July 2022*

Mathematical Statistics | *Computer Science Center Certificate* *October 2023*

Mathematical Analysis | *Computer Science Center Certificate* *October 2023*

Linear Algebra | *Computer Science Center Certificate* *March 2024*

Probability Theory | *Computer Science Center Certificate* *August 2024*

Introduction to Competitive Data Science | *Stepik Certificate* *August 2024*