Igor Melnikov

Experience

Jul 2023 - Feb Yandex, intern-backender, HelpNearBy

2024 During the internship:

- O Developed anti-fraud and monitoring systems in charity and taxi;
- Developed tools for the charity-support service;
- O Developed and optimized analytical Python and SQL scripts.

During the internship, I worked with C++, Python, bash, pandas, SQL, tabula, crontab, yandex-tracker, Datalens, Yandex backend web-frameworks for C++ and Python, internal Yandex tools similar to git, Hadoop, SQL, as well as the API of numerous Yandex services.

Sep 2022 - Moscow school 1514, Teacher of additional education

nowadays I teach an elective in Olympiad programming at Moscow school 1514 (one of the top 15 schools in Moscow according to the RAEX rating in 2023) for students in grades 8 and 9. Among my students there are winners of the municipal and regional stages of the All-Russian Olympiad in computer science.

Oct 2022 - Apr Higher School of Economics, Teaching assistant

2023 I worked as a teaching assistant in the disciplines "Computer workshop on Calculus in Python" and "Computer workshop on Linear Algebra in Python". My responsibilities included checking the students' laboratory work, conducting consultations, filling out statements and preparing materials for seminars.

Education

2021-2025 Bachelor of Software Engineering, Higher School of Economics, Moscow, Russia

I am currently a 3^{rd} year student and I have a GPA of 7.3/10.

- The main educational track: Software Engineering;
- O The additional educational track: data analysis.

Achievements and Awards

Winner of several Olympiads in sports programming:

2021 Moscow Olympiad of Schoolchildren in Computer Science (MOSH)

I am a winner of the 2^{nd} degree

2021 Open School Olympiad by Computer Science

I am a winner of the 2^{nd} degree

2019,2020,2021 Winner of the regional stages of the All-Russian Olympiad in computer science at 9, 10 и

<mark>11</mark> grades

Maximum codeforces rating: 1727

Extracurricular activities

Feb 2023 - Apr Ozon, Route256 C# developer, junior, Russia, Moscow

2023 I completed successfully Route256 backend-development courses.

Sep 2020 - May Moscow Institute of Physics and Technology, Correspondence School of Physics and Technology

2021 (ZFTSH) in computer science, Russia, Moscow

Sep 2017 - May Moscow School of Programmers (MSHP), Russia, Moscow

2021 Backend Development, Algorithms and Data Structures, Machine Learning, Analytics

Skills

Technologies C++ (userver), C# (ASP NET Core, WPF), Python (django, flask, numpy, pandas, matplotlib,

seaborn, sklearn, torch, tensorflow, tabula, catboost, etna), SQL, Java, bash, git, fastapi, PostgreSql,

SQLite, Docker, Kafka, Postman, kubernetes, crontab.

Knowledge Backend, Analytics, Algorithms, Data Structures, Machine Learning.