

Nikolai Kossa

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EDUCATION

HSE University

2020 – 2024

Bachelor of Computer Science

- GPA: 3.5/4
- Computer Architecture and Operating Systems, Advanced C++ Course, Algorithms and Data Structures
- Calculus, Linear Algebra, Mathematical Statistics, Machine Learning, Deep Learning, Optimization Methods

EXPERIENCE

AGT

October 2022 – Present

Middle Quantitative Developer | C++, Python, SciPy, Pandas, scikit-learn

Russia

- In a workgroup with analysts participated in creation and implemented a strategy based on a paired standard deviation for cryptocurrency exchanges
- Researched dependence of cryptocurrency prices on fundamental data of blockchain, which led to development of a new strategy
- Collaborated with teammates to analyze the shortcomings and enhance functionality of internal exchange orders processing

Yandex

June 2022 – October 2022

Middle BackEnd Developer | C++, PostgreSQL, OpenAPI, Userver

Russia

- Improved functionality of service used for calculating couriers' wages, that made it possible to take more factors into account
- Rewrote complex PostgreSQL queries used in runtime, which reduced response time of service
- Partnered with colleagues to redesign internal API, that offered increased flexibility and usability boost

Yandex

June 2021 – October 2021

Software Engineer Intern | C++, Python, Grafana, SQL

Russia

- Expanded coverage of search suggestions in English by 0.5% by adding new data sources, increasing target metrics of service
- Automated the regular data labeling on Toloka and ML pools building with internal tools, which reduced team workload
- Configured regular processing of labeled data for plotting graphs in Grafana

PROJECTS

ICPC-Live 3 | *React JavaScript* | [icpc/live-v3](https://github.com/icpc/live-v3)

March 2022 – Present

- Implemented admin interface for live-streaming overlay
- Set up interaction with backend api
- Implemented a support for mobile devices

CV with Continuous Integration | *CI/CD Docker* | [Nakinamo/CV](https://github.com/nakinamo/CV)

November 2021 – December 2021

- Made a GitHub Action to compile and upload LaTeX document
- Implemented a compilation of LaTeX file using docker container

PERSONAL ACHIEVEMENTS

Google Hash Code

2021

Top 2.8% out of 9004 teams

Russian State Olympiad in Informatics

2020

Top 0.9% out of more than 13000 participants

SKILLS

Programming Languages: C, C++, Python, JavaScript, SQL

Developer Tools: GDB, Git, Docker, CI/CD

Libraries: NumPy, Pandas, Matplotlib, scikit-learn, React

Languages: Russian, English