




Fedor Osetrov

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TECHNICAL SKILLS

Languages: C/C++, Python, had experience in Rust, Go and Assembly.

Technologies/Frameworks: Linux, Git, Github, CI/CD with Github Actions, Docker, GDB.

Databases: SQL, MapReduce.

Text processing: LaTeX, Markdown.

EDUCATION

Higher School of Economics

2020 – expected 2024

*Bachelor - Applied Math and Informatics - **GPA - 9.19***

Moscow, Russia

AESC MSU – Kolmogorov’s boarding school

2018 – 2020

Moscow, Russia

EXPERIENCE

Yandex (Group of geodatabase systems development)

Jul 2022 – Present

Software Engineer Intern


Moscow, Russia

- I work in the team responsible for all backend of Panoramas in Yandex.Maps
- Made the organizations from Maps database show up on the Panoramas. Implemented them in the library for IOS and Android mobile apps
- Engaged in improving and DevOps of several backend services. Working with large MapReduce distributed calculation system

COURSEWORK / SKILLS

- Currently studying distributed systems and computer networks. Taking Rust course (Yandex Dataschool)
- Data Structures & Algorithms (1 year course)
- C++ Advanced Course (multithreading, design patterns, smart pointers, meta programming)
- Software Development Tools Course (Bash, Git, GDB, CI with Github Actions)
- Computer architecture and operating systems Course (Assembly, C, sockets, multiplexing, POSIX)


PROJECTS

Scheme  | C++

- Scheme language interpreter with support for basic arithmetic operations, if-else statements and lambda functions.

Saver-cryptoexchange  | Python, Websocket, CI, MySQL

- University team project, implementing a system that stores and reproduces trading data from crypto-exchanges.

My C++ code snippets  | C++

- Smart pointers, thread concepts, lock-free data structures, design patterns, etc.

GrobnerBasis  | C++, Boost, Google tests library

- University software project which consisted of implementing classes for working with Gröbner basis.

Code storage  | Go, JavaScript, Svelte, Docker

- Web application implementing storage for code snippets.

ACADEMIC ACHIEVEMENTS

- Winner of Lomonosov MSU olympiad in informatics, Prize-winner of Technocup, Individual Olympiad, Open ITMO olympiad, Regional school olympiad and All-Russian team olympiad in informatics.
- GPA 9.19 and 4.96% percentile after second year in university.
- Teaching assistant in Algebra course for half of an semester.