

EDUCATION

- Bachelor of Science in Applied Mathematics and Computer Science

*National Research ITMO University*

Relevant coursework: Calculus, Algorithms and Data Structures, Discrete Mathematics, Java, C++

Sep. 2021 - Present
- Student

*Correspondence School of Physics and Technology of MIPT*

Relevant coursework: Mathematics, Informatics
- Sep. 2018 - Jun. 2020

EXPERIENCE

- Junior Software Engineer

STC

C++20LinuxMultithreadingOpenGLSDL2hidapiSFML

Modeling physical processes and visualizing their results.

Application of multithreading to optimize the rendering in the project.

Development of software for working with HID and connection of the HID’s functionality for use for software purposes.

Solving computational geometry problems.

Jun. 2024 - Now
- Software Engineer Intern

Tinkoff · Tinkoff Origination Platform

KotlinDDDKubernetesApache KafkaPostgreSQLSpring Boot

Design and development of a push&prospects service for use by the Tinkoff’s business analysts

Design and development a web application for uploading, validating and verifying documents, which is now used as the internal scan-document tool.

Creating integration and unit tests.

Jul. 2023 - Oct. 2023
- Software Engineer Student

Yandex Summer Backend School

C++UserverPostgreSQLGoogle TestPytestCI/CD

Summer school to gain knowledge about the backend of distributed high-load services.

The topics studied were: code architecture, backend basics, git, http api design, databases, multithreading, testing, load testing, devops, deployment, CI/CD, etc.

Solved practical assignments, code review.

Jun. 2023 - Jul. 2023

SELECTED PROJECTS

- Tape Type Data Sorter

C++OOPMemory work

Console application for sorting large Tape (data structure) in external memory – development Tape Sorter.

Apr. 2024
- IPv4 UDP broadcast chat

C++IPv4POSIX ThreadsDockerGNU LinuxUDP

Console application that exchanges text broadcast messages over a local network segment with copies running on other machines physically connected to one logical network segment.

Jan. 2024
- PNG To PNM Converter

CZLIBLIBDEFLATEDecoding

Decoding a PNG image into PNM for ZLIB or LIBDEFLATE.

Apr. 2022

PROGRAMMING SKILLS

Languages: (experienced): C++, Kotlin/Java; (familiar): Bash, C, Python, Swift, JavaScript.

Frameworks & Tools: STL, Linux, PostgreSQL, Git, Docker, Kubernetes, Userver, Grafana, Prometheus, Spring B.

ACHIEVEMENTS

- Prize-winner, Winner,

Mathematical Olympiad ‘Phystech’ held by MIPT (2nd prize among 2000+ finalist)

Mathematical Olympiad held by Financial University (top 25 among 580+ finalists)
- 20202020

TEACHING EXPERIENCE

- Web development mentor for second-year students

ITMO University, Information Technologies and Programming Faculty
- Sep. 2024 - Now