

RASUL GAINUTDINOV

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Education

"Phystech-Lyceum" named after P. L. Kapitsa

Secondary general education

September 2019 – May 2021

Dolgoprudny, Russian Federation

Higher School of Economics

Studying in Bachelor of Applied Mathematics

September 2021 – January 2022

Moscow, Russian Federation

Studied Material

- Data Structures
- Object-oriented programming
- Algorithms and Analysis
- Database Management
- Data structure Management

Achievements

Internships and Jobs

July 2022 – October 2022

- Internship in Yandex as Junior C++ backend developer. During internship have been working on Go and Python developer's tasks as well

School Olympiads

September 2019 – August 2021

- Prize-winner of the Phystech Olympiad in Mathematics in 2021.
- Prizewinner of the United Interuniversity Mathematical Olympiad for Schoolchildren in 2021.
- Prize-winner of the regional stage of the All-Russian Olympiad for schoolchildren in mathematics 2019-2021.
- Prize-winner of the regional stage of the All-Russian Olympiad for schoolchildren in informatics and ICT 2019-2021.

Extracurricular contests

September 2019 – August 2021

- Participated in plenty of contests on the [codeforces](https://codeforces.com/) platform. Current rating is 1615.

Projects

Polynomial calculator | C++, QT Creator GUI

October 2020

- Created an application using C++ and QT creator to support all operations with polynomials with rational coefficients.
- Implemented object-oriented programming practices such as inheritance to implement all List data structure functionality.

BinaryTree | C++, QT Creator GUI

November 2020

- Created a graphic application for drawing trees such as AVL and Red-black.

Mandelbrot Set | C++, VC Code

March 2021

- Implemented an application that marks the set of points in the complex plane such that the corresponding Julia set is connected and not computable.

Part of Compiler | C++, VC Code

October 2021

- Partially implemented C++ compiler using UI designing and object-oriented programming.
- Managed to work on a group project and share responsibilities.

Technical Skills

Languages: Python basics, C, C++, Golang, SQL basics

Developer Tools: VS Code, QT Creator GUI, PyCharm, MySQL

Technologies/Frameworks: Linux, Git