

MUKHAMETGALIN ARTUR

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EDUCATION

Bachelor of Applied Math and Computer Science

Moscow Institute of Physics and Technologies

2020-2024

GPA 4.5/5

EXPERIENCE

SWE Intern

Jul 2021 - Sep 2021

Huawei Russian Research Institute, Math Modelling lab

Russian Federation

- Developed a GUI for working with bugs in programs related to geometry
- Developed a translator from Gerber to JSON format
- Worked with wxWidgets and Qt libraries to develop GUI's for other programs

Teacher of programming and mathematics

Dec 2020 - Apr 2021

Rocket class

Russian Federation

- Taught competitive programming to schoolchildren and helped them solve problems

PROJECTS

C++ projects in MIPT Developed analogs of `std::string`, `std::unordered_map`, `std::list`, `std::shared_ptr`, `std::weak_ptr`. Developed `BigInteger`, `Rational` (with very big precision), `Matrix` (to work with templates) and `Residue` (to understand how to solve problems in compile-time) classes.

"Programmer simulator" Game on Python with console GUI

Telegram Bot Translator on Python Used translator's API to translate expressions from Russian to English and vice versa

SKILLS

Programming Languages

C++ (Advanced), Python

Technologies

Git, CMake, wxWidgets, Qt

Other Skills

Competitive Programming (**2197** rating points on [Codeforces](https://codeforces.com/))

SUCSESSES IN OLYMPIADS

- All-Russian olympiad in informatics - prize winner (2020)
- All-Russian team programming olympiad - third award
- University Olympiads: Moscow regional contest ACM ICPC - third award (2020)
First place among freshmans from MIPT
- Winner of many university's olympiads:
Technocup - third award
SpbU's olympiad in informatics - second award
ITMO's olympiad in informatics - first award
HSE's olympiad in informatics - second award
and etc.