MUKHAMETGALIN ARTUR

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EDUCATION

Bachelor of Applied Math and Computer Science   2020-2024
Moscow Institute of Physics and Technologies   **GPA: 4.5/5**

Advanced algorithms and data structures, A'   2019
Summer Informatics School

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**)

SUCCESSES 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.