MUKHAMETGALIN ARTUR

+7(922) 717-47-01 ⋄ Moscow, Russian Federation

mukhametgalin.ad@phystech.edu ⋄ github.com/mukhametgalin

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, C++   Jul 2021 - Sep 2021
Huawei Russian Research Institute, Math Modelling lab, PCB team   *Russian Federation*

- Developed a GUI to work with bugs in programs related to geometry.
- Increased the speed of debugging several times
- Implemented Gerber format support for our project
- 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

- **Developed my GUI in terminal** for this game

Telegram Bot Translator

- This bot is implemented in Python, it can translate and voice text
- Used translator's API to translate expressions from Russian to English and vice versa

SKILLS

Programming Languages	C++, Python
Technologies	Git, UNIX/Linux, aarch64 assembly, CMake, Bash, wxWidgets, Qt
Other Skills	Competitive Programming (**2197 rating points on** Codeforces)

SUCCESSES IN OLYMPIADS

- **All-Russian olympiad in informatics - prize winner, in the top 1%** (**2020**)
- **University Olympiads: Moscow regional contest ACM ICPC - third award** (2020)
  First place among freshmans from MIPT
- **All-Russian team programming olympiad - third award**
- **Winner of many university's olympiads: Technocup, SpbU's, ITMO's, HSE's** olympiads - I am prize winner in all of them