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Kirill Grinko

Personal

Hard skills	C++, Python, Algorithms and data structures, Assembly x86-64, C, Git, CMake, Bash, Docker, Qt, SFML, Gitlab CI/CD, GoogleTest, LaTeX
Soft skills	Hard-working, Quick-learning, Organised, Outgoing and collaborative
Languages	English (B2), Russian (native speaker)
Hobbies	Calisthenics, skiing, cycling, piano

Projects

Fall 2024 **Graphing Calculator**, *Github page (clickable)*, Used tools: C++, SFML, CMake
Plotter and graphing calculator

Fall 2024 **Algorithms and data structures course homework**, *Github page (clickable)*, Used tools: C++
Various algorithms and data structures implementations

Spring - Fall 2024 **C++ course homework**, *Github page (clickable)*, Used tools: C++
Lots of problems solutions and data structures implementations

Spring 2024 **Box with molecules**, *Github page (clickable)*, Used tools: C++, Qt, CMake
Simulation of ideal gas in enclosed space (and a little research about testing the validity of the Maxwell distribution)

Fall 2023 **MBTI test**, *Github page (clickable)*, Used tools: Python, Qt, SQL
A program for completing Myers–Briggs personality test

Fall 2023 **Text editor**, *Github page (clickable)*, Used tools: Python
Simple internet browser text editor

Education

2023 – present **Moscow Institute of Physics and Technology**, *finished 1st year bachelor*, Overall GPA 8.35/10, Programming courses GPA 8.43/10
Phystech School of applied Mathematics and Informatics

2019 – 2023 **Moscow State School 57**, *8-11 grade*, GPA 5/5
Focus on physics and math. Graduated with federal and Moscow gold medals

Courses taken

MIPT Algorithms and Data Structures; Analytical Geometry; Introduction to Calculus; General Physics: Mechanics; Algebra of Logic, Combinatorics, Graph Theory; General Physics: Laboratory Practicum; Python Practicum; Programming in C++; Linear Algebra; Multivariate Calculus, Integrals and Series; General Physics: Thermodynamics and Molecular Physics; Foundations of Higher Algebra and Coding Theory; Programming Technologies

Achievements

2022 – 2023 All-Russian Olympiad for schoolchildren in physics (Final stage participant, top 80); Phystech (MIPT) Olympiad in physics (Gold); Rosatom Olympiad in physics (Silver); Moscow Olympiad for schoolchildren in physics (Silver)

2021 – 2022 Rosatom Olympiad in physics and maths (Gold, Silver); All-Russian Olympiad for schoolchildren in physics (Regional stage prize winner); Phystech (MIPT) Olympiad in physics and maths (Silver, Silver)

2020 – 2021 All-Russian Olympiad for schoolchildren in physics (Regional stage prize winner); Moscow Olympiad for schoolchildren in physics (Silver)

2019 – 2020 International Experimental Physics Olympiad (Bronze); Moscow Olympiad for schoolchildren in physics (Silver)

Extracurricular activities

2019 – 2023 **Olympiad Physics Classes**
Theoretical and experimental training for advanced physics olympiads organised by Moscow city education ministry

2020 – 2022 **Yandex Lyceum**
Python coding classes for high school students. More info (clickable)

2021 **QuSoft Quantum Quest**
Web class for high school students about quantum computing created by Michael Walter and Māris Ozols. More info (clickable)