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Education

Presidential Lyceum "Sirius"

2021 - 2022

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

Golden medal

2022-2023

Moscow Institute of Physics and Technology, MIPT
1st year Physics and Technology
School of Applied Mathematics and Computer Science

GPA: 8/10

Programming grade: 7.5/10

2023 -to the present

SKILLS

C

x86 Assembler

Markdown

LaTeX

Python

Graphviz

MARIA ROMASHKINA

Projects

2023
October

[Onegin](#)

Text parsing library

2023
November

[Differentiator](#)

Implementation of an automatic differentiation algorithm using a binary tree

2024
March

[Mandelbrot](#)

Study of the impact of using SSE (Streaming SIMD Extensions) instructions on the performance of the Mandelbrot set construction algorithm program

2024
March

[MyPrintf](#)

Own implementation of the PRINTF function

Using x86 assembler, the printf function with 7 types of arguments is implemented

2024
April

[HashTable](#)

Testing and optimizing different versions of hash functions

Hash table performance study

2024
May

[Compiler](#)

Improving the performance of the code, my Winx fairies programming language, by direct translation into x86_64 assembler, bypassing the interpretation stage on an emulated processor