Anastasiya Kulevich

MIPT undergraduate
Bachelor of Applied Mathematics & Physics

+7(936)-272-2037
kulevich.aiu@phystech.edu
princess-oregano

PROFILE

- Third-year MIPT student
- Successfully finished Compiler Technology course
- Got excellent marks as a group leader of 4 students in Computer Science classes
- Participated in EPFL summer fellowship

EDUCATION

Bachelor of Applied Mathematics & Physics 2022 – 2026
MIPT – Department of Radio Engineering and Cybernetics

- GPA: 8.4/10.0
- GPA (Computer Science): 10.0/10.0

EXPERIENCE

EPFL (VCA lab) Lausanne, Switzerland
Software Engineer, Intern July-August 2024

- Proved MSI coherence for downgrade from M to I state transition in a multiprocessor system.
- Designed several tactics for proving MSI coherence.

MAIN PROJECTS

mipt_ipc (github.com/princess-oregano/mipt_ipc)
Tools: C, Make, POSIX 2023

- Inter-Process Communication course projects.

hashtable (github.com/princess-oregano/hashtable)
Tools: C, Make, perf, x86-64 Assembly, SIMD 2023

- Hashtable implementation with performance tests and optimization.

mandelbrot (github.com/princess-oregano/mandelbrot)
Tools: C, Make, perf, SIMD, SFML 2023

- Showcase of possible SIMD optimizations for Mandelbrot set generator.

processor (github.com/princess-oregano/processor)
Tools: C, Make 2022

- Virtual machine and assembler for custom assembly language.

SKILLS

C/C++ · x86-64 Assembly
Python · Make · Git
Linux · perf · LaTeX · Lean4

English · advanced
Russian · native

flexibility · conflict resolution
problem-solving · leadership

INTERESTS

- Processor Architecture
- Compiler Technology
- Data Management
- Operating Systems
- Functional Programming

ACHIEVEMENTS

2022 **2nd degree diploma**
National Physics Olympiad

2022 **1st degree diploma**
MIPT 'Phystech' Olympiad