

Zavialov Grigorii

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Education

- 2023–2027 **Moscow Institute of Physics and Technology**, Overall GPA: 4.87/5
(Expected) System Programming and Applied Mathematics, Phystech School of Applied Mathematics and Informatics

Experience

MIPT C/C++ course, C, C++, Cmake

Studied C++ up to C++23, learned the basic concepts and capabilities of the language, implemented allocator-aware data structures(unordered map, list, smart pointers), type erasure, and other elements of STL. Also familiar with code profiling (valgrind, kcachegrind, callgrind, flamegraph) and code vectorization(AVX intrinsics).

MIPT algorithms & data structures course, Algorithms & data structures

Implemented fundamental algorithms and data structures covering string algorithms, dynamic programming, graph algorithms, e.t.c.

MIPT OS development course, Asm, C, OsDev (in process)

Study of the operating system structure by adding kernel components such as interrupts, timers, scheduler, virtual memory, PCIe bus.

Projects

NVMe driver, C, OsDev (in process)

Driver for NVMe devices on x86-64 arch.

Skills

- Hard Skills
 - Programming: Asm, C, C++, Python, Bash, Algorithms & data structures
 - Tools: Cmake, Git, GoogleTest
- Soft Skills Collaborative, Organized, Quick-learning
- Languages Russian (Native), English (Intermediate)

Personal achievements

Candidate for master of sports in powerlifting