

## 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, kcache-grind, 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