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Russian Native  
English B1/B2

About me:

I have been coding since the end of August and I am going to continue confidently.

I also like to do sports (volleyball, wrestling) and travel.

# Yaroslav Kuznetsov

*DREC MIPT student / System programmer*

## Education

### Moscow Institute of Physics and Technology

Sep 2023 - July 2027

*Department of Radio Engineering and Cybernetics*

First year student majoring in "Applied Mathematics and Physics".

GPA (General): 7,69 / 10,00.

GPA (Programming): 9,50 / 10,00.

### System programming and compiler technology course

Sep 2023 - May 2024

*Huawei and Ilya Dedinsky's educational course*

Introduction to computer system emulation, compiler technologies, and industrial programming.

## Projects

### Compiler

April - May 2024

🔗 <https://github.com/askolater/compiler>

This project is an implementation of a compiler from my own programming language into an x86-64 architecture executable file.

Also we can generate a listing of Nasm commands and their opcodes.

### Hash Table

April 2024

🔗 <https://github.com/askolater/hashtable>

This project is about implementing a hash table and optimizing it for a specific task.

The program places for optimization were found using Valgrind profiler. Assembly inserts and SIMD instructions were used for their optimizations.

## Skills

### Hard Skills

*C, x86-64 Assembly, Git, Make, GDB, Valgrind, Tex.*

### Soft Skills

*Responsibility, stress resistance, leadership skills, critical thinking, communication skills.*