



✉ asklater@bk.ru

☎ +7 (951) 805-52-77

📍 Dolgoprudny

📧 @ask0later

🌐 ask0later

Russian Native
English B1/B2

About me:

I have been coding since the end of August 2023 and I am going to continue confidently. I also like to do sports (volleyball, wrestling) and travel.

Hard Skills

C, x86-64 Assembly, Git, Make, EDB, Valgrind, Tex.

Soft Skills

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

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/ask0later/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/ask0later/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.

Soft Processor

November 2023

🔗 <https://github.com/ask0later/processor>

This project implements a processor emulator. It is divided into three parts:

- Assembler: generates bytecode from a program in my assembler.
- Disassembler: generates assembly code from byte code.
- CPU: executes the byte code.

Mandelbrot

March 2024

🔗 <https://github.com/ask0later/mandelbrot>

This project is a visualization of the Mandelbrot set by SDL2 lib. The algorithm was optimized using SIMD instructions.