

asklater@bk.ru

47 (951) 805-52-77

Dolgoprudny

@ask0later

askolater

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, C++, x86-64 Assemly, Git, Docker, Make, CMake, IDA.

Soft Skills

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

Interests

C, C++, Compilers, LLVM.

Yaroslav Kuznetsov

DREC MIPT student / C/C++ developer

Experience

Ivannikov Institute for System Programming of the Russian Academy of Sciences

July 2024 - Jan 2025

Compiler Technologies Department. Crusher

Developing and adding instrumentation to the compiler using the LLVM infrastructure

Education

Moscow Institute of Physics and Technology

Sep 2023 - July 2027

Department of Radio Engineering and Cybernetics

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

GPA (General): 8.16 / 10,00.

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

Basic course of programming in C++

since Sep 2024

Yadro and Konstantin Vladimirov's educational course

Memory Management and Concurrency Sep 2024 - Dec 2024

Huawei and Mikhail Molotkov's educational course

Introduction to the basics of memory management (garbage collectors, allocators), multithreading and concurrency (thread-safe, lock-free algorithms and data structures, thread pools, event loops).

System programming and compiler technology course

Sep 2023 - May 2024

Huawei, ISP RAS and Ilya Dedinsky's educational course

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

Projects

ParaCL

Jan - Feb 2025

https://github.com/ask0later/ParaCL

This project is an implementation of the ParaCL-interpreter using the lexical and syntax analyzer generators flex and bison.

Bitonic Sort

Feb - Mar 2025

https://github.com/ogkisque/Bitonic-Sort

This project is an implementation of bitonic sorting on GPU using OpenCL library.

It is also a library, which is a C++ API wrapper for OpenCL.

Projects

Triangles OpenGL Feb - Mar 2025

https://github.com/ask0later/Triangles-OpenGL.git

This project is a triangles scene visualization using the OpenGL library. It is a continuation of the project of determining intersecting triangles from the total number. The project itself is also a C++ API wrapper for OpenGL.

Graph Mar 2025

https://github.com/ask0later/Graph

The project is an implementation of a graph in Donald Knuth's representation.

Breadth-first and depth-first passes implement a bipartite check.

Matrix Dec 2024

https://github.com/ogkisque/Matrix

This project is an implementation of a library of generalized matrices without using standard containers.

The basis of the work is the idioms of RAII and copy-and-swap for correctness and exception safity.

Lock-free stack Nov 2024

https://github.com/ask0later/MMAndConcurrecnyWorkspace

This project is an implementation of a stack container that guarantees progress in at least one thread. It uses the concept of hazard pointers.

Compiler Apr - May 2024

nttps://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.