KOZLOV ALEKSANDR

Second year MIPT student

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STRENGTHS

- Self-Motivated
- Learning agility
- Responsible
- Stress-resistant
- Communicative

SKILLS

Programming languages:

- C
- C++

Other skills:

- LaTeX
- git
- CMake
- Make
- graphviz

LANGUAGES

Russian: native

English: B2

EDUCATION

Moscow Institute of Physics and Technology | DREC

📅 2021 – 2025   📍 Dolgoprudny, Russia

- **GPA: 8,96**
- Maths subjects **GPA: 9,38**

STUDY EXPERIENCE

MIPT programming courses

📅 2021 – 2022   📍 Dolgoprudny, Russia

- C language course ILAB, Lecturer - Ilya Dedinsky

📅 2022 – 2023

- C++ Basic course YLAB, Lecturer - Konstantin Vladimirov
- Simulation and compilers, Lecturer - Igor Petushkov
- LLVM course, Lecturer - Sergey Lisitsyn

PROJECTS

Intersection of triangles | 🐙

📅 02 2023 – 03 2023

- 1 lvl: C++ program that intersects triangles using octree
- 2 lvl: Vulkan api - represent triangles in 3D space

RISC-V executor | 🐙

📅 11 2022 – 12 2022

- RISC-V interpreter that can execute commands from elf file
- My LFU cache O(1) was used to optimize instruction processing.

LLVM pass | 🐙

📅 03 2023

- Program that collect LLVM instructions static and dynamic info and represent it in graph

Differentiator | 🐙

📅 04 2022

- Program that differentiates an input function