



Dashchynski Aliaksandr

1st year MIPT DREC student

18 years old

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<https://github.com/SANEKDASH>

Education

Moscow Institute of Physics and Technology
Bachelor of Applied Mathematics and Physics

Dolgoprudny, Russia
In process

GPA: 6.71 / 10

Grades for informatics: 1st semester - 5 / 10
2nd semester - 10 / 10

Main Projects

DOTA Language Compiler: <https://github.com/SANEKDASH/Binary-translator>

- ELF relocatable file format
- X86-64 instruction encoding
- Doubly linked list containing instructions
- Making code basing on syntax tree

April - May 2024

Used Tools: C, Asm, dot, edb, make, git

Hash table: <https://github.com/SANEKDASH/Hash-table-optimization>

- SIMD\AVX
- Intrinsic functions
- Profiling
- Optimization

April 2024

Used Tools: C, Asm, perf, make, git

Mandelbrot set: <https://github.com/SANEKDASH/Mandelbrot-optimization>

- SFML
- SIMD\AVX
- Intrinsic functions
- Optimization

March - April 2024

Used Tools: C, make, git

Akinator: <https://github.com/SANEKDASH/Akinator>

- Tree data structure implementation

November 2023

Used Tools: C, dot, make, git

Virtual machine: <https://github.com/SANEKDASH/SPU>

- ISA
- Stack and RAM implementation
- Assembler

October 2023

Used Tools: C, make, git

Technical skills

- Programming Languages:
- Tools:
- Other:

C, x86-64 Assembly, Python
perf, git, edb, make
LaTeX, HTML, dot, Markdown

Soft skills

Strong personality, communicability, teamwork, responsibility.

Languages

Russian, Belarusian, English.