

# LOBANOV ALEKSANDR

## SOFTWARE ENGINEER



### CONTACT



#### Location

Dolgoprudniy,  
Russia



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+79811401585



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### PERSONAL



#### Date of Birth

28.04.2004



#### Citizenship

Russia

### PLATFORMS



#### GitHub

lobanovam

### LANGUAGES



#### Russian

Native



#### English

B2+

### ABOUT ME

I first encountered programming in the 10th grade at the Presidential Lyceum for Physics and Mathematics. As part of my year-long project, I created a simple 2d game using Unity/C#. From that point on, my interest in programming has consistently increased.

In 11th grade I successfully completed a course on technical vision in C++ by Nikolai Polarny. In my first year of MIPT I joined Ilya Dedinsky's advanced group and successfully mastered the course "Introduction to Emulation of Computational Systems, Compiler Technologies, and Industrial Programming."

In the summer of 2023, I interned at the Institute of System Programming of the Russian Academy of Sciences (ISP RAS) in the department of real-time operating systems. In the fall - winter of 2023, I took a course on "operating system kernel design" from the department heads of the ISP RAS. Starting from winter 2024 and up to now I have been mastering 2 courses from Sber company: "Architecture of Computing Systems" and "Compilation Technology".

### EDUCATION

Sept. 2022 - Aug. 2026

**Moscow Institute of Physics and Technology**  
Moscow, Russia

Bachelor of Applied Mathematics and Physics  
MIPT DREC  
GPA: 9.09

Sept. 2020 - Aug. 2022

**Presidential Lyceum of Physics and Maths**  
Saint-Petersburg, Russia

### SELECTED PROJECTS

#### JIT-compiler

lobanovam/JIT-compiler  
Final year project,  
small jit-compiler implementation

#### Hash Table

lobanovam/HashTable  
Hash table implementation,  
hash functions research, optimization

#### Mandelbrot Set

lobanovam/mandelbrot  
Drawing mandelbrot set via SFML,  
SIMD optimizations

#### Alpha-Blending

lobanovam/alpha\_blending  
Implementation of alpha-blending algorithm,  
SIMD optimizations

### HOBBIES

Amateur soccer player, swimmer.

Graduated with honors in the class of classical guitar, winner of many prestigious competitions solo and as a member of the guitar orchestra.