



Andrey DERZHAVIN

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🐙 [github](#) | 📠 [telegram](#)

EDUCATION

PHYSICS AND MATH LYCEUM 30

2017 – 2019 / Saint Petersburg, Russia

MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY

2019 – 2023 / Dolgoprudny, Russia

B.S IN APPLIED MATH AND PHYSICS

EXTRA EDUCATION

“INDUSTRIAL PROGRAMMING. PART 1. C LANGUAGE.”

Sep – Dec 2019

MIPT COURSE. LECTURER – I. DEDINSKY, MAIL.RU.

“USES AND APPLICATIONS OF C++ LANGUAGE”

Sep 2020 – Apr 2021

MIPT COURSE. LECTURER – K. VLADIMIROV, INTEL.

“SIMULATION TOOLS OF CP AND OS AND LEARNING PROGRAMS’ BEHAVIOUR”

Sep 2020 – Apr 2021

MIPT COURSE. LECTURER – I. PETUSHKOV, HUAWEI.

EXPERIENCE

ACRONIS INTERNSHIP

Jul 2020 – Nov 2020 / Remote

- Article “Usage of right-context grammars in static analysis of source code on C++”, participation in two conferences

PROJECTS

ANIMATION SYSTEM

Jun 2018

EDUCATIONAL ANIMATION SYSTEM PROJECT FROM 10TH GRADE SUMMER PRACTICE

- Animation system based on OpenGL

RAY-TRACING

Jul 2018

EDUCATIONAL RAY TRACING PROJECT FROM 10TH GRADE SUMMER CAMP

- Program which produces photo-realistic images using ray-tracing algorithm

BINARY TRANSLATOR

May 2020

EDUCATIONAL PROJECT FROM 1ST COURSE AT MIPT

- Program which translates my own processor’s binary code into x86 binary code and creates an .exe file

PARACL

Mar 2021 – Present

EDUCATIONAL PROJECT FROM 2ND COURSE

- My own language interpreter with an option to generate a LLVM IR

OPTIMISATION OF MATRIX MULTIPLICATION

Apr 2021

EDUCATIONAL PROJECT FROM 2ND COURSE

- Comparison of several optimisation methods, such as transposing, loop unrolling, temporary variables, OpenCL

SKILLS

PROGRAMMING LANGUAGES C | C++ **Codegen:** Python

SOFTWARE DEVELOPMENT git | make | CMake | \LaTeX | Linux (WSL2, Ubuntu)

FRAMEWORKS & LIBRARIES LLVM | OpenCL | Numpy

LANGUAGES **C2:** Russian **B2:** English

EXTRA

- Interested in computer technologies, system programming
- Resolute, hardworking, non-contentious
- Hobbies – football