Andrey DERZHAVIN

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 github | ✈ telegram

EDUCATION

PHYSICS AND MATH LYCEUM 30 *2017 – 2019 / Saint Petersburg, Russia*
MOSCOW INSTITUTE OF PHYSICS AND TECHONLOGY *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 – Dec 2020*
MIPT COURSE. LECTURER – I. PETUSHKOV, HUAWEI.

EXPERIENCE

ACRONIS INTERNSHIP *Jul 2020 – Nov 2020 / Remote*
• Arcticle "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, history