Andrey DERZHAVIN

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github | telegram

EDUCATION

PHYSICS AND MATH LYCEUM 30   *2017 – 2019 / Saint-Petersburg, Russia*

School

MOSCOW INSTITUTE OF PHYSICS AND TECHONLOGY   *2019 – 2023 / Dolgoprudny, Russia*

B.S IN APPLIED MATH AND PHYSICS

EXPERIENCE

ACRONIS   *Jul 2020 – Nov 2020 / Remote*

INTERN

• 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

• Comprasion 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