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 2020 – Apr 2021*

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

• 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