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

Huawei RRI (base chair) — *Jul 2021 – Present / Moscow, Russia*
• Arcticle "Improving loop termination prediction with ISA instruction hinting the number of iteration", participation in MIPT conference

PROJECTS

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 – Jul 2021*
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

Triangles — *Feb 2022 – Present*
Educational project
• Program to check intersection of large amount of triangles

leechVM — *Dec 2022*
Educational project from 4TH course
• Lite virtual machine which executes python-like bytecode

SKILLS

Programming Languages	C	C++ ***Codegen, Scripting:*** Python
Software Development	git	make	CMake	Linux (WSL2, Ubuntu)	LaTeX
Frameworks & Libraries	LLVM	OpenCL	Numpy
Languages	***C2:*** Russian ***C1(IELTS):*** English

EXTRA

• Interested in compilers, system programming
• Resolute, hardworking, non-contentious
• Hobbies – football, history