RUSLAN AKHMETOV

Student Developer, Programmer, Researcher

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EDUCATION

Moscow Institute of Physics and Technology

📅 Sept. 2019 – Present   ♦ Dolgoprudny, Russia

- Bachelor of Applied Mathematics and Physics

TECHNICAL SKILLS

C/C++, Nasm, Python, Bash, Matlab, Lua
DirectX11
Backend Development + API Interfacing
Multi-threaded Programming
Network Programming
stm32 Development
Linux, Windows
Algorithms
Linear algebra
Physics
Analytical and theoretical mechanics

SOFTWARE SKILLS

- C/C++
- Git
- NASM, TASM
- Linux OS, POSIX, System 5
- Python
- Lua
- TeX/LaTeX

SKILLS & INTERESTS

Languages:
- Pre Intermediate in English

Sports:
- Basketball
- Cycling
- Badminton
- Swimming

Interests:
- Hardware and backend development
- High performance computing
- Operating Systems
- Analytical and theoretical mechanics
- Robotics
- Ride a cycle
- Investments

COURSES

- C++, Intel, Mail.ru

MOTIVATION

I just love writing big projects. Industrial programming, which has no limits, helps me with this. I like to improve the software, make it user-friendly, intuitive and fast for the user. At the moment, I want to get into the development team who are developing a large, interesting and useful project in order to gain important experience from them.

PROJECTS

Asynchronous drivers for robot motors
- Safe and advanced software for stm32
- C

Graphics library on DirectX11 and Window Manager on it
- C++, DX11

Binary translator
- C++, ELF, NASM

Clustered parallel computation of integrals
- The program computes the integral on each client in the local network for a given number of cores, thereby parallelizing the computations not only to threads, but also to different computers in the local network
- C, Linux

BinArray
- Fast and C-style encapsulated binary array with benchmarks and 99 percent coverage
- C, GTest (Compiled C code to g++)

HashTable
- High performance hash table. It is accelerated by "SSE" instructions and by -O0 outperforms the simple version with -O3
- C++

LuQuIc
- Quantum programming language and its simulation
- C++

Differentiator
- The program differentiates any analytical function m times
- C++

AkinaTor
- Guesses your preferences, and the conversation is accompanied by facial animation in the console
- C++