

AKHMETOV RUSLAN

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PROJECTS

Bitonic Sort on GPU

📅 Nov 2022 – Dec 2022 📍 github

- A vectorized and super multi-threaded number sorter based on the bitonic sorting algorithm. Outperforms (-O3) CPU by 7 times

Archiver on GPU

📅 Mart 2020 – Mart 2020 📍 github

- Archives very quickly on the GPU

Binary Translator

📅 Aprel 2020 – May 2020 📍 github

- Project (5K lines) translate the text format assembler to binary format in a wide range of x86 architecture instructions

Completed Course in Algorithms on C++

📅 Jan 2022 – May 2022 📍 github

- Conditions and solutions to problems from the course, as well as many tests for them

Calc integral in VLAN

📅 Sep 2021 – May 2022 📍 github

- The most interesting of the projects is the calculation of a definite integral on many computers in parallel. Tested in a local network on 8 computers with 8 threads

LuQulc

📅 Nov 2019 – Jan 2020 📍 github

- A quantum programming language that immediately executes

Robo arm on STM32

📅 Mart 2021 – May 2021 📍 github

- Stepper motor drivers and robot arm control code

Simple Graphic lib on DX11

📅 Nov 2020 – Jan 2021 📍 github

- A simple 2D graphic lib on 3D direct library

Printf on clear ASM

📅 Mart 2020 – Mart 2020 📍 github

- Pure assembler printf that recognizes insertion of string %s, binary format %b, octal: %o and hex %x

SOFTSKILLS

Professionalism Learning Potential
Team Work Organization Flexibility
Responsibility

PROFESSIONAL SKILLS

C++ ●●●●●●●●●●●●●●●●
C ●●●●●●●●●●●●●●●●
ASM ●●●●●●●●●●●●●●●●
Git ●●●●●●●●●●●●●●●●
Bash ●●●●●●●●●●●●●●●●
Algorithms ●●●●●●●●●●●●●●●●
LockFree Algo ●●●●●●●●●●●●●●●●
Multithreading ●●●●●●●●●●●●●●●●
Linux ●●●●●●●●●●●●●●●●
OpenCL ●●●●●●●●●●●●●●●●

STRENGTHS

- Development
C++17 C17 OpenCL ASM
Python3 Java Bash
- Libraries and Frameworks
STL googletest DirectX11
OpenCL-CLHPP MPI LL
- Development Tools – IDE
Neo Vim VS Code CLion

EDUCATION

MIPT

MIPT FREC - Faculty of Radio Engineering and Cybernetics

📅 Sep 2019 - Present 📍 Moscow

LANGUAGES

English ●●●●●●●●●●●●●●●●
Russian ●●●●●●●●●●●●●●●●