AKHMETOV RUSLAN

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PROJECTS

Bitonic Sort on GPU

Mov 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

9 github

· Archives very quickly on the GPU

Binary Translator

math 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++

♀ github

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

Calc integral in VLAN

May 2022 - May 2022

9 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

Mov 2019 - Jan 2020

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

Mov 2020 - Jan 2021

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

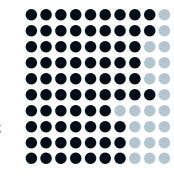
Organization

Flexibility

Responsibility

PROFESSIONAL SKILLS

C++ C **ASM** Git Bash **Algorithms** LockFree Algo Multithreading Linux



STRENGTHS

Development

C17

OpenCL Bash

ASM

Python3

C++17

OpenCL

Java

Libraries and Frameworks

googletest

DirectX11

OpenCL-CLHPP

MPI LL

Development Tools – IDE

Neo Vim

VS Code

CLion

EDUCATION

MIPT FREC - Faculty of Radio Engineering and Cybernetics

LANGUAGES

English Russian

