

# VIKTOR BALDIN

Software Engineer



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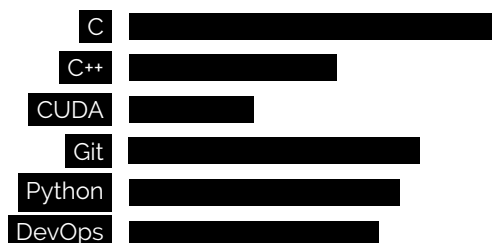


github.com/victorbaldin56

@victorbaldin56

## ABOUT MYSELF

I am currently undergraduate MIPT student.



## EXPERIENCE

2024 – present

### C/C++ developer

Baikal Electronics (AI team)

Improvements for the internal simulator of GPGPU, benchmarking.  
Development of model of the communication between CUDA Runtime and OS driver for simulator.  
Research of CUDA Runtime internals.

C++ / CUDA / GPGPU / SIMT / DevOps / Python

2023 – 2024

### C/Assembly course (Dedinsky I. R.)

MIPT

Major projects:

– Binary translator

[https://github.com/victorbaldin56/binary\\_translator](https://github.com/victorbaldin56/binary_translator)

– Aggressively optimized hash table

<https://github.com/victorbaldin56/hashmap>

– Fractal renderer sped up using SIMD instructions

[https://github.com/victorbaldin56/mandelbrot\\_fractal](https://github.com/victorbaldin56/mandelbrot_fractal)

– DOS interruptions handling and hacking tasks

<https://github.com/victorbaldin56/dos-tasks>

– Mathematical functions differentiation program

<https://github.com/victorbaldin56/differenciator>

– CPU emulator with basic ISA

<https://github.com/victorbaldin56/processor>

C / Assembly / Make / Linux / OS / SIMD

## EDUCATION

2023 – present

### Bachelor (Applied Mathematics and Physics)

MIPT (DREC)

GPA: 6.9/10.0

## LANGUAGES

**Russian** - native

**English** - intermediate

## HARD SKILLS

- C, C++, CUDA
- Assembly
- GPU SIMT programming
- Linux, Shell
- CI/CD (GitLab, Github), Docker
- Python

## SOFT SKILLS

- Quick learning
- Communication skills
- Hard working
- Team working