

# VIKTOR BALDIN

Software Engineer



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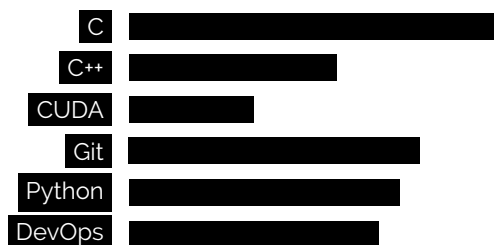


github.com/victorbaldin56

@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