

VIKTOR BALDIN

Software Engineer



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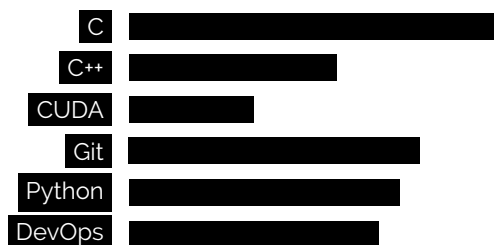


github.com/victorbaldin56

@victorbaldin56

ABOUT MYSELF

2nd year MIPT student learning C++ programming. Especially interested in parallel calculations and toolchain development (compilers, simulators, etc). Mentor at the Dedinsky I. R.'s C course for 1st year students at MIPT.



EXPERIENCE

- | | | |
|----------------|--|------------------------------|
| 2024 – present | C/C++ developer
Improvements for the internal simulator of GPGPU, benchmarking
Refactoring of automated testing system (CI)
C++ / GPGPU / SIMT / Simulators / DevOps / Python | Baikal Electronics (AI team) |
| 2023 – 2024 | C/Assembly course (Dedinsky I. R.)
Major projects:
– 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
– DOS interruptions handling and hacking tasks
https://github.com/victorbaldin56/dos-tasks
– Mathematical functions differentiation program
https://github.com/victorbaldin56/differentiator
– CPU emulator with basic ISA
https://github.com/victorbaldin56/processor
C / Assembly / Make / Linux / OS / SIMD | MIPT |

EDUCATION

- | | | |
|----------------|--|-------------|
| 2023 – present | Bachelor (Applied Mathematics and Physics)
GPA: 6.9/10.0 | MIPT (DREC) |
|----------------|--|-------------|

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