

VIKTOR BALDIN

Software Engineer



Dolgoprudny, Russia

+7 916 582 00 45

v1cbaldin@yandex.ru

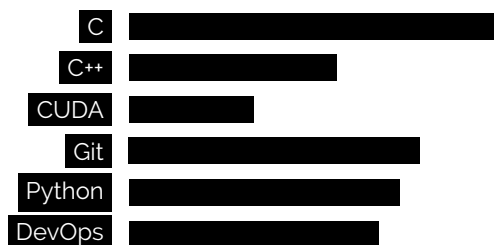


github.com/victorbaldin56

@victorbaldin56

ABOUT MYSELF

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



EXPERIENCE

- 2024 – present **C/C++ developer** **Baikal Electronics (AI team)**
Improvements to the internal GPGPU simulator, benchmarking
Refactoring of the automated testing system (CI)
C++ / GPGPU / SIMT / Simulators / DevOps / Python
- 2024 – present **C++ course (Vladimirov K. I.)** **MIPT**
Projects:
– Matrix with use of my own reimplemented `std::vector` designed for linear algebra facilities
<https://github.com/victorbaldin56/MatrixCPP>
– 3D intersection detector for triangles
<https://github.com/victorbaldin56/Triangles3D>
C++ / CMake / Docker / Conan
- 2023 – 2024 **C/Assembly course (Dedinsky I. R.)** **MIPT**
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

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