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/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