

Emil Galimov



C/C++ Developer

CONTACT DETAILS

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PERSONAL INFORMATION

Date of birth: 12 October 2004
Citizenship: Russia

LANGUAGES

Russian (native)
English (B1+)

SOFT SKILLS

- Communication and team collaboration
- High learning ability
- Attentiveness
- Discipline
- Time-management

EDUCATION

Second-year MIPT DREC student. GPA - 8.6/10.

Additional education:

- C language course "Introduction to the emulation of computing systems, compiler technologies and industrial programming" by Department of Microprocessor Technologies (Ylab). Tutor: I. Dedinsky.
- C++ course by Department of Microprocessor Technologies (Ylab). Tutor: K. Vladimirov.
- Algorithms and data structures course by VK. Tutors: I. Pochuev and M. Pavlov.
- Networks course by Yadro. Tutor: M. Klimanov.

PROJECTS

C language:

- **Differentiator** takes the partial derivatives, calculates them in given point and provides result in Latex and pdf formats.
- **Programming language**. Compiler for my own programming language. Code runs on my own virtual machine.

C++ language:

- **Triangles in 3D** determines intersecting triangles in 3-dimensional space. Octotree and geometry classes are implemented.
- **Red-black tree** provides $O(\log n)$ distance.
- **Matrix** Matrix, matrix buffer classes and matrix operations are implemented.
- **ParaCL language** (in team). Compiler for simple, C-like language. LALR(1) parser is made using Flex and Bison.

SKILLS

- C, C++ and OOP
- Make/CMake, Git, GDB
- Python, Bash
- Linux/Unix
- Graphviz
- GoogleTest
- Flex and Bison
- Architecture x86
- Algorithms and data structures