

Igor Taraymovich

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<https://github.com/trmigor>

Key skills

- Programming languages: C, C++, Golang
- Working experience with Git, AWS, MongoDB
- Multithreading, software design and engineering, distributed systems, continuous integration, automated testing
- Project management, mentoring, technical training
- Quantitative skills: computational maths, optimisation, algorithms

Education

Moscow Institute of Physics and Technology

Department of Control and Applied Mathematics

September 2017

Present

- Bachelor of Applied Mathematics and Physics
- Main specialisation: computer science

Projects

Command-line interpreter (Microshell)

<https://github.com/trmigor/MicroShell>

- Microshell provides most of commands, contained in bash.
- Syntax is the same as in other implementations of UNIX shell, with regular expressions, pipes, input-output redirection and standard notation available.
- Microshell interacts with operating system by a set of UNIX system calls and supports signals and multiprocessing.

Website for programming contests (Judex)

https://github.com/trmigor/Judex_public

<http://judex.xyz>

- Judex is a system for automatic testing for student contests.
- Backend is written fully in Golang, using the standard libraries and MongoDB Server. Frontend is using JavaScript to interact with users.
- Project is using multithreading with goroutines for faster results. System calls are used to manage time and memory used for test runs in isolated environment in order to keep system safe.

Languages

English (fluent), French (pre-intermediate), Russian (native), Ukrainian (native)