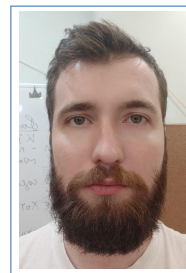


Vladislav Toigildin

Software Engineer

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*Changing professional field to backend development.
Looking for a small team creating services
for business customers.*

Experience

04.2019 – **Founder, [Oi Theatre](#).**

present *First improv comedy theatre in Moscow. **Non-IT field.***

- Built a business model of the theatre.
- Organized a weekly comedy show.
- Created a video production team and organized workflow for regular process.
- Produced two show formats. Actively trained a theatre cast (15 actors).
- Managed an operation team (5 workers).

11.2016 – **Deep Learning Performance Engineer, NVIDIA, Moscow.**

01.2019 Development of a system for benchmarking DL (TensorFlow, PyTorch and etc) frameworks using GPUs.

- Redesigned a Deep Learning benchmark system that speeded a monthly test workflow up 5 times and increased reliability.
- I was a senior maintainer [for monthly baselines](#) performance data.
- Actively troubleshoot issues on Linux production servers.
- Modified Perl codebase to Python, that improved maintainability.
- Migrated our system to cloud infrastructure.
- Developed DL benchmarks: preparing data and models, deploying, running, collecting data, uploading stats into databases.

06.2015 – **Software engineer, IBM, Moscow.**

03.2016 Development of a Linux driver (zfcp) for IBM z System (s390x) storage hardware.

- Developed a Linux driver for SCSI devices.
- Modified an internal disk perf analyze tool (C++ and Perl).
- Designed and implemented a stress testing system.

- 09.2014 – **Researcher**, *Research Computing Center MSU*, Moscow.
- 08.2016 Design and development of a parallel version of algorithm for genome blurred repeats search.
- Developed a parallel spectral-analytical method for heterogeneous distributed multiprocessing systems.
 - Developed the parallel program using MPI and CUDA.
 - Optimized the parallel program for linear scale up to 2048 processors.
- 11.2013 – **Technician (Part Time)**, *Nuclear Safety Institute of the Russian Academy of Sciences*, Moscow.
- 10.2014 Development of a model of hydrodynamic process in liquids using CABARET scheme.
- Designed and implemented GUI (Qt).
 - Added GPU computing support (Cuda)

Technical skills

Languages	Python, Perl, Bash, C, C++
Frameworks	Flask (basic), Django (basic)
OS	Linux
VCS	Git
CI/CD	Docker, GitLab CI
SQL	PostgreSQL
HPC	MPI, Cuda, OpenMP
Others	Qt, \LaTeX , Autotools

Education

- 2010 – 2015 **M.S. in Applied Mathematics and Computer Science**, *Lomonosov Moscow State University*, Moscow, Faculty of Computational Mathematics and Cybernetics.

Awards

- 2014 **CUDA Center of Excellence MSU Grant**, Moscow.
[Won a grant](#) for significant acceleration of computing for my research by using GPU.

Open Source Project

- [mpiSBARS](#) Parallel program for recognition of extended inexact repeats in the genome. MPI+CUDA model is used for better scalability on heterogeneous high performance systems.