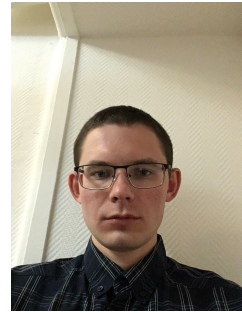


# Maksim Dzabraev – Résumé

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**Date of Birth** 19<sup>th</sup> February 1993  
**Nationality** Russian  
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## Education

**2011-2017** Specialist in Mathematics - Lomonosov Moscow State University  
*Faculty of Mechanics and Mathematics, Department of Computational Mathematics*  
**2017-Present** PhD student - Lomonosov Moscow State University  
*Faculty of Mechanics and Mathematics, Department of Computational Mathematics*

## Employment History

**Apr 2013 - Present** NIISI RAS, Moscow, Russia  
*Developer, engineer*

- Maintaining and developing RTOS Debugger and RTOS debugging agent.
- Developed pseudo GUI front-end for debugger based on midnight commander
- Developed CI testing for debuger

**Technologies:** RTOS, MIPS, C, Python, GDB, GDB remote-protocol, CPU Simulation, Vmips

**Sep 2016 - Present** IAS Istina, Moscow, Russia  
*Front-end/backend developer*

- Maintaining/ developing Equipment, Smi subsystems
- Ported whole system from Django-select2 ver 4.x to ver 5.x
- Developed common interface for attaching scientific results (articles, books, dissertations, ... ) to arbitrary object (for. example scientific equipment).
- Replace some front-end components with common JS libraries like jsgrid, fancytree, select2.
- Developed Firefox-based crawler for news article extraction (with javascript execution).
- Integrated some CI components: comparing code/template coverage with git diff.
- Rewrote NIX-expressions for setting up development environment.

**Technologies:** HTML, CSS, Javascript, Python, Django, NIX package manager/NIXOS, Oracle, Postgerql, Selenium

## Software Engineering Skills

- **Programming Languages**

*Python*  
*C/C++*  
*Bash*  
*Nix expression language*

- **Web Development**

*HTML, CSS, JavaScript/jQuery*  
*Django*

- **Miscellaneous**

*SQL, Oracle, PostgreSQL, Sqlite*  
*Linux*  
*git, redmine, sentry*  
*gdb, valgrind, gprof*

## Contribution to Open Source

### **merged**

GDB, Python binding, patch  
midnight commander, fix bug in quick widget  
Mesonbuild, include\_directories fix order, patch  
Nixpkgs, nixification for diff\_cover, pydocstyle, jinja2\_pluralize  
pybfd, fix python binding (bfd\_my\_archive(abfd) had been removed)  
CUDAGrep, cudagrep hadn't worked on cuda5 before this fix

### **currently not merged**

GDB, gdb gets segfault when working with gcc7 produced debug info, patch