



Olga Telezhnaia

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PERSONAL PROJECTS

Contributions to Git  (C, Shell, Git) — Optimize formatting system of Git (up to 3 times faster), increase functionality of cat-file, for-each-ref, ls-remote etc, unify codebase, decrease memory leaks.

Scheduler in Linux Kernel  (Linux, C, Git) — Create the prototype of block IO scheduler for groups of disks. It allows giving priority manually to one group of disks for read/write processes at high load points.

WORKING EXPERIENCE (2+ years total)

- **Senior SWE at Security Code** (Python, Flask, RabbitMQ, PostgreSQL, SQLAlchemy, Marshmallow) — Backend web development. (September 2018 - now)
- **TE at Microsoft** (Python, C#, ML, Linux, Azure) — Develop internal projects, share expertise at conferences, write technical articles. (February 2017 - September 2018)
- **SWE intern at Yandex** (C++, Python, MapReduce, Bash, svn, regex) — Improve quality of search by geographical objects with help of linguistic features of Russian language. Add support for sides of the world in queries. (July – October 2016)
- **SWE intern at JetBrains**  (Java, JUnit, Erlang, git) — Develop IntelliJ plugin for Erlang programming language. Create multiple inspections, autocompleting, links resolution requested by users. (July – September 2015)

EDUCATION

Peter the Great Saint-Petersburg Polytechnic University




Bachelor of Software and Administration of Information Systems (2012—2016)
GPA 4.8/5.0

Computer Science Center



Software Engineering specialization  (2014—2016)

Courses passed: Algorithms and Data Structures (in 2 parts) · Fundamentals of Discrete Mathematics · Computer Architecture and OS · C++ (in 2 parts) · Image Analysis (in 2 parts) · Python · Parallel Programming · Android Development · Machine Learning (Course of Moscow Data Analysis School)

MOOCs: Algorithms and Data Structures  · Machine Learning by Andrew Ng, Stanford  · Mathematics for everyone by Aleksey Savvateev 

PREFERRED TECHNOLOGIES & CONCEPTS

C/C++ · Python · Git · Algorithms · Data Structures · Linux · OOP · Image Analysis · Machine Learning · Linguistics · SQL · Conferences (listener, speaker, organizer) · System Programming
Languages: Russian native, English fluent