

Sergey Serebryakov

Specialization	Software Engineer
Contact info	E-mail: sergey@serebryakov.info Web: http://sergey.serebryakov.info Skype: eggemars
Bio data	Russian citizen, United States permanent resident Current location: San Francisco, California, US
Skills and interests	<p>Full stack with inclination to backend, algorithmic bottlenecks, data structures, high-load low-latency scalable fault-tolerant architectures, distributed systems, code quality and design, static analysis, computer security, machine learning, computer vision, functional programming</p> <p>Human languages: Russian (native), English (TOEFL 110/120), German (intermediate), French (basic)</p> <p>Programming languages (approximately in order of preference): Scala, Haskell, Go, Elm, Java, Python, Erlang, JavaScript, C++, PHP, Perl</p> <p>Other technologies and tools: HTML, CSS, LaTeX, SQL, Pig, Scalding, IntelliJ IDEA, Git, SVN, bash</p>
Work	<p>Tesla, Inc. (Palo Alto, California, US) Senior Software Engineer, since Feb 2017</p> <ul style="list-style-type: none">• Autopilot Maps <p>Twitter, Inc. (San Francisco, California, US) Software Engineer II, Sep 2014 – Feb 2017</p> <ul style="list-style-type: none">• Search Infrastructure: maintaining systems powering Twitter Search• Build Infrastructure: compilation performance improvements <p>Rocket Fuel, Inc. (Redwood City, California, US) Rocket Scientist, Oct 2013 – Sep 2014</p> <ul style="list-style-type: none">• Serving Infrastructure: maintaining and improving distributed RTB system <p>JetBrains — IntelliJ Labs Co., Ltd. (St. Petersburg, Russia) Software Engineer, Nov 2012 – Aug 2013</p> <ul style="list-style-type: none">• Research on reusable compiler cache: formal model and prototype implementation <p>Facebook, Inc. (Menlo Park, California, US) Software Engineer Intern, Jun 2012 – Aug 2012</p> <ul style="list-style-type: none">• Versatile distributed task mapper: design and implementation of the monitoring module

Google, Inc. (Tokyo, Japan)

Software Engineer Intern, Aug 2011 – Oct 2011

- Mobile Local Details Dialog Project (detailed info about local search results): design and implementation of the frontend

Google, Inc. (St. Petersburg, Russia)

Software Engineer in Test Intern, Oct 2010 – Apr 2011

- Bug Reduction Project (reduction of buggy webpages): research, design and implementation as a Google Chrome extension

OpenWay Service, Ltd. (St. Petersburg, Russia)

Summer Intern, Jul 2010 – Aug 2010

- Development of concept and prototype of the web-banking module

Education

St. Petersburg State University, Department of Mathematics and Mechanics
Specialist in Software Engineering (\approx US Master's degree), Sep 2008 — Jun 2013
Graduated with honors (GPA: 4.9/5.0)

Research

Formal Methods in Compilers: Project build technique with aggressive output reuse
(Java)

Graduate paper (advisor: Dmitry Boulytchev), 2012–2013

3D Algorithms in Medicine: Constructing 3D model of a human head from anatomical landmarks (MATLAB)

Term paper (advisor: Alexander Petrov), 2011–2012

Computer Vision: Reconstructing moving object position from noisy video observations (C++, OpenCV)

Term paper (advisor: Alexander Vakhitov), 2010–2011

Schools

- Microsoft Research ALMADA School, Aug 2013
- Joint Advanced Student School, Mar 2012
- Computer Science Center, Data Mining branch, 2011
- International competitive programming training camps, 2006-2010
- Student school "Modern "know-how" of software product", Oct 2009
- Summer School on Informatics, 2006 and 2007

Awards

- Best student of Microsoft Research ALMADA School, 2013
- Winner of Open International Internet Competition on Informatics, 2010-2011
- Winner of Open Collegiate Programming Contest of Southern FU, 2010
- Prize of ACM ICPC Quarterfinals, 2009
- Prizes of the All-Siberian Collegiate Programming Contest, 2008-2009
- Winner of International Student Programming School of Saratov SU, 2009
- Recipient of Excellence Scholarship of Euler Foundation, 2009
- Second prize of the All-Russian School Informatics Competition, 2008
- Finalist of TopCoder High School programming competition, 2008
- Winner of Open School Cybernetics Competition, 2008
- Third prize of the All-Russian School Informatics Competition, 2007