Arseniy Zaostrovnykh

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WORK EXPERIENCE

CURRENT, FROM SEPT 2014

Doctoral Assistant at EPFL
Lausanne, Switzerland

Advisors: Prof. Katerina Argyraki (Network Architecture Lab), Prof. George Candea (Dependable Systems Lab).
Research towards software dataplane verification.

JUNE – AUG 2015

Software Engineer Intern at GOOGLE
Mountain View, CA USA

Added event tracking for network routing calculation.

MAR – JULY 2014

Software Engineer at SAMSUNG RESEARCH INSTITUTE
Moscow, Russia

Developed an ahead-of-time compiler of a subset of the ECMAScript 5.0 (JavaScript) language.

JULY 2010 – NOV 2013

Software Engineer at INTEL CORPORATION
Moscow, Russia

Developed a performance-optimizing binary translator from x86 to a new fine-grained parallel architecture. Developed a functional simulator for a new architecture.

SUMMER 2012

Junior Researcher at OJS Co. "INSTITUTE OF ELECTRONIC CONTROL COMPUTERS"
Moscow, Russia

Developed a base model of prosthesis limbs.

2009 – 2013

MIPT-INTEL LABORATORY
Dolgoprudniy, Russia

Developed a graph-visualizer with QT
http://code.google.com/p/mipt-vis/
Mentored a student group in a Scheme compiler development
http://code.google.com/p/mipt-scheme-compiler/.

2010 – 2011

NETCRACKER LABORATORY
Dolgoprudniy, Russia

Developed a music-listening web service with GWT
https://github.com/necto/natty

EDUCATION

2014 – PRESENT Switzerland	**Doctor of Philosophy** COMPUTER SCIENCE

École Polytechnique Fédérale de Lausanne - EPFL

2012 – 2014 Russia	**Master of Science** Graduation with honors APPLIED PHYSICS AND MATH

Moscow Institute of Physics and Technology - MIPT

2008 – 2012 Russia	**Bachelor of Science** GPA **5** out of **5** APPLIED PHYSICS AND MATH

Moscow Institute of Physics and Technology - MIPT

ACADEMIC BACKGROUND

2012	**Robotics summer school, sponsored by Skolkovo** *Imperial College of London*
2013 – 2014	**Taught a compilers course** *MIPT-Intel Laboratory*
2007, 2008	**First and second prizes in regional math and physics competitions.** *Moscow State University, Russia*

DEVELOPMENT SKILLS

Languages	C++ (2 years of industrial, 10 years of academic exp.) C (3 years of industrial exp. 4 years of academic exp.) CoQ, Java, XML, LaTeX, x86/AVR ASM, Scheme, OCaml, Common Lisp
Frameworks	VeriFast, Restas, Spacemacs
OSes	Linux (Ubuntu, Arch), Android

COMMUNICATION SKILLS

ENGLISH	fluent (IELTS 7.0, TOEFL 96)
RUSSIAN	native
FRENCH	advanced
GERMAN	basic

Last updated: February 26, 2020