Alexandre Kandalintsev
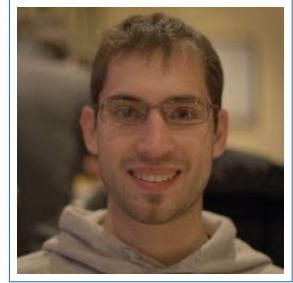
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Education

2010 – now	**PhD candidate**, *Telecommunications*, University of Trento, Trento, Italy.
2006 – 2010	**MSc**, *Computer Science*, University of Russian Academy of Education, Moscow, Russia.
2003 – 2005	**BSs (3 semesters)**, *Computer Systems and Networks*, Bauman Moscow State Technical University, Moscow, Russia.

Research Interests

Clouds, resource management, distributed systems.

Publications

A. Kandalintsev and R. L. Cigno. A Behavioral First Order CPU Performance Model for Clouds' Management. In *Proc. of ICUMT*, October 3–5 2012.

A. Kandalintsev, R. L. Cigno, and D. Kliazovich. Profiling Cloud Applications with Hardware Performance Counters (submitted). 2013.

Work Experience

May 2013 – October 2014	**Internship**, *University of Luxembourg*, Luxembourg, `http://uni.lu/snt`. ○ Studied and proposed solutions to reduce the performance interference between VMs ○ The obtained results were submitted as a conference paper
Sep 2010 – Nov 2010	**Internship**, *University of Trento*, Italy, `http://www.napa-wine.eu/`. NAPA-WINE is a peer-to-peer media streaming platform. My contribution is: ○ Support for multi-channel media streams ○ New GUI frontend

Nov 2007 – Jul 2010	**Senior Unix Administrator**, *Agava Company*, Moscow, Russia.
	 ○ Managed a team of four system administrators
	 ○ Solved the most complicated technical problems
	 ○ Consulted VIP-clients and provided them with personal support
	 ○ Gave trainings and seminars for system administrators on the following topics:
	   – Apache web server course
	   – Understanding Nginx and "10k clients" problem
	   – Using tcpdump to watch traffic
	   – DDoS defense methods
	   – Basic database optimizing
	   – Right backup strategies

Oct 2005 – Nov 2007	**Unix Administrator**, *Agava company*, Moscow, Russia. *Duties:* Standard requirements and duties of system administrator.
Feb 2005 – Oct 2005	**Junior Unix Administrator**, *Agava Company*, Moscow, Russia. *Duties:* Providing the first line full time technical support. Assembling, installing and maintaining equipment in data centers.

Skills

OS	Linux, FreeBSD
Programming languages	Python (advanced), C, shell scripting, Ocaml and Haskell (in progress), LiveScript, SQL (basics)
Tools	valgrind, gdb, kvm, perf, oprofile, VCS and other tools

Languages

English	**fluent (C1)**
Italian	**elementary (A2)**
Russian	**native**