Dmitriy Khodakov

Education

Moscow Institute of Physics and Technology (State University) (MIPT)

2012 - 2014   Master's Degree: Machine Learning and Neural Networks
2008 - 2012   Bachelor's Degree: Computer Systems Networking and Telecommunications
Base organisation: Institute for Information Transmission Problems (IITP RAS)

Experience

Orion - Lead Software Developer

03.2013
Present
- Development of software monitoring and management system
- GPU cluster (Linux, Windows)
- Back-end on Python, data collection by SNMP/IPMI protocols
- MySQL database engine
- Web based GUI (Django with JavaScript/jQuery front-end)
- Gui migrated to Flask
- TODO: write about deployment, RHEL, hardware

Telum - Researcher/Software Engineer

08.2011
03.2013
- Implementation of custom wireless MAC layer protocol in C++
- Modelling and simulation of this protocol in NS3
- About 200k lines of C++ code
- Analysis and implementation of various wireless protocols
- Implementation of RSVP and RoHC protocols
- Mathematical modelling and data analysis on R language and Python

Skills

Languages	Python, C++/C, Javascipt, Bash, R
Instrumts	Git, SVN, Mercurial, Jira, Redmine, Agile/Scrum, Vim, UML
Academic	Theory of telecommunications, Machine learning, Architecture of programs
Frameworks	Django, JQuery, NS3,
Speak	English (technical), Russian (mother language), Spanish (castellano) (basic)
OS	Linux system administration

Certifications

2013	**Machine Learning by Andrew Ng**	Stanford
2014	**Statistical Learning**	Stanford
2014	**Algorithms: Design and Analysis, Part 1**	Stanford
2014	**Algorithms: Design and Analysis, Part 2**	Stanford

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