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 - Python

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

Telum - Researcher/Software Engineer - C++

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

Skills

Languages	Python, Javascipt, C++/C, Bash, R
Instrumets	Git, SVN, Mercurial, Jira, Redmine, Agile/Scrum, Vim, UML
Academic	Theory of telecommunications, Machine learning, Software Architecture
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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