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

03.2013
Present

Orion - Lead Software Developer

- Development of software monitoring and management system on Python for computational GPU cluster (Linux, Windows).

- back-end on Python, gathering of information by SNMP/IPMI protocols

- storing it in MySQL database

- web based GUI, implemented on Django with JavaScript/jQuery front-end

- Gui migrated to Flask

- TODO: write about deployment, RHEL, hardware

08.2011
03.2013

Telum - Researcher/Software Engineer

- Implementation of custom wireless MAC layer protocol in C++.

- Modelling and simulation of this protocol in NS3.

- This project contains about 200k lines of C++ code, written by my company and 2000k lines of native NS3 code.

- Analysis and implementation of various wireless protocols, such as RSVP, RoHC and creating of custom protocols of MAC layer.

- Mathematical modelling and data analysis on R language and Python.

✉ dmitryhd@gmail.com ☎ (915) 219-219-8

Skills

Programming languages	Python, C++/C, Javascipt, Bash, R
Programming related skills	Git, SVN, Mercurial, Jira, Redmine, Agile/Scrum, Vim, UML
Academic	Theory of telecommunications
	Machine learning
	Architecture of programs
Frameworks	Django, JQuery, NS3
Languages	Russian (Mother language)
	English (Full professional proficiency)
	Spanish (castellano) (Limited working profficiency)
OS	Linux system administration

Certifications

2013	**Machine Learning by Andrew Ng**	Coursera
2014	**Statistical Learning**	Stanford University
2014	**Algorithms: Design and Analysis, Part 1-2**	Coursera
2015	**Introduction to Computer Science and Programming Using Python**	Edx

✉ dmitryhd@gmail.com   ☎ (915) 219-219-8