

# Dmitriy Khodakov



## Education

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### 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

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### 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

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Languages Python, Javascript, C++/C, Bash, R  
Instruments 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

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2013	<b>Machine Learning by Andrew Ng</b>	Stanford
2014	<b>Statistical Learning</b>	Stanford
2014	<b>Algorithms: Design and Analysis, Part 1</b>	Stanford
2014	<b>Algorithms: Design and Analysis, Part 2</b>	Stanford