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Danil A. Nemirovskiy

Highlights

- Proven record of success in both scientific research and software development.
- Excellent mathematical knowledge and modeling skills.
- Ability to create original approach to solve problems.
- Excellent communication skills and ability to successfully collaborate in a team.

Research interests

- Tensors and probability theory;
- Trust and reputation measures, PageRank;
- Web and information retrieval in global collections of documents.

Education

- dec. 2006 - current, PhD student
INRIA Sophia Antipolis, MAESTRO project
- oct. 2005 - oct. 2008, PhD student
Saint-Petersburg State University
Faculty of Applied Mathematics and Control Processes
Department of Programming Technology

Gave a course on mathematical modeling in networks as an optional course (in English).

Gave a course on Java programming language for third year students.

- sept. 2000 - july 2005, student, M.S., graduated with honors
Saint-Petersburg State University
Faculty of Applied Mathematics and Control Processes
Department of Programming Technology

Master thesis: "Analysis of iterative method for PageRank computation based on decomposition of the Web graph".

Internships

- jan. - feb. 2006, intern
INRIA Sophia Antipolis, MAESTRO Project
Developed of the experimental basis for Weighted PageRank
- apr. - may 2005, intern
INRIA Sophia Antipolis, MAESTRO Project
Considered aggregation methods to determine PageRank. Performed experiments on comparison the convergence rate of the methods and the convergence rate of power iteration method. Discovered conditions of equivalence of two aggregation methods. Defended master thesis based on the theoretical and experimental results.
- sept. 2004, intern
INRIA Sophia Antipolis, MAESTRO Project
Developed web crawler in Java using RMI technology and Oracle DBMS to collect information about structure of the Web graph, which was used in experiments on evaluating convergence rate of Monte Carlo method of calculating PageRank in comparison to power iteration method.

Teaching experience

- feb. - may 2009, lecturer
Mathematical modeling in networks. 15 lecture hours, 2 homework hours. In English.

- feb. - may 2008, lecturer
Mathematical modeling in networks. 15 lecture hours, 2 homework hours. In English.
- feb. - may 2006, lecturer
Java programming language. 66 lecture hours, 32 seminars hours.

Attended PhD students schools

- 6 - 9 oct. 2009, attendant
Euro NF Course. Advances in Wireless Sensor Networks. Milan, Italy.
- 16 - 22 apr. 2009, attendant
Euro NF Course. Stochastic Simulation for Performance Evaluation of Telecommunication Networks. Vienna, Austria.
- 15 - 19 sept. 2008, attendant
First Euro NF Summer School. Ad Hoc, Sensor, and Meshed Networks Self-organization, Topology, Routing, Performance Analysis. Warsaw, Poland.
- 25 - 29 aug. 2008, attendant
Interlogiciel et Construction des Applications Reparites. Nice, France.
- 12 - 16 march 2007, attendant
Winter School on Information Theory. La Colle Sur Loup, France.

Organizing conferences

- apr. 2006, chairman
New Trends In Science 2006
Conference of the Faculty of Applied Mathematics-Processes and Mathematical-Mechanical Faculty of St.Petersburg State University under aegis of Department of Foreign Languages (in English). Presented report on master thesis.

Development experience

- jul. 2005 - mar. 2007, software engineer, team leader
Reksoft, Ltd.
Development and maintenance of commercial projects. Estimation and task delivering to developers and testers. Specification development. Java and Java-related Web technologies.
- jul. - nov. 2003, software engineer
Firm Ingit, Ltd.
Development of a programme that converts cartographic formats of data. C, C++.

Certificates

- Sun Certified Java Programmer for the Java 2 Platform, Standard Edition 5.0

Programming skills

- Maple, Matlab, TeX: strong knowledge
- Java and servlets, JSP, JSTL, EJB, JDBC, Spring, Freemake: excellent knowledge
- C and C++: strong knowledge
- DBMS Oracle and SQL Server: excellent knowledge
- IBM WebSphere and Tomcat: experience
- Source control tools like VSS, CVS and ClearCase with both GUI and command line interface

Languages

- English: fluent
- French: speaking, reading
- Russian: native speaker

Personal references

- Date of birth: April 7th, 1983
- Place of birth: Leningrad, USSR
- Citizenship: Russian Federation