

Konstantin Salomatin

Language Technologies Institute e-mail: ksalomat at cs.cmu.edu
Carnegie Mellon University
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Pittsburgh, PA 15213 USA

RESEARCH INTERESTS:

I am doing research in machine learning and information retrieval. I am interested in building efficient probabilistic models for solving real-world problems, particularly in the area of natural language technologies.

EDUCATION:

Ph.D. student in Language Technologies, GPA 4.0/4.0 (September 2007 - present)
Language Technologies Institute, SCS, Carnegie Mellon University, Pittsburgh, PA
Expected graduation: 2011

M.S. in Language Technologies, GPA 4.02/4.0 (August 2005 - September 2007)
Language Technologies Institute, SCS, Carnegie Mellon University, Pittsburgh, PA

M.S. in Applied Mathematics and Physics, Honors, GPA 5.0/5.0 (September 2003 - June 2005)
Moscow Institute of Physics and Technology, Moscow, Russia
Thesis: Russian morphology and statistical language processing modules in the PolyAnalyst data-mining system

B.S. in Applied Mathematics and Physics, Honors, GPA 5.0/5.0 (September 1999 - June 2003)
Moscow Institute of Physics and Technology, Moscow, Russia
Thesis: Regularized finite-stage conditional gradient method for convex mathematical programming problems

HONORS:

First place in the Russian National Computer-Physics Team competition (1999)
First place in the Moscow Mathematics Competition (1999)
First place in the Central-Russia Physics Competition (1998)
Second place in the Russian National Physics Competition (1998)
Third place in the Russian National Soros Physics Competition (1998)

RESEARCH EXPERIENCE:

Internship at Yahoo! Labs (Summer 2010)

- Supervisor: Dr. Peiji Chen.
- Research in display advertising sciences; Forecasting of future page visits for highly sea-

sonal and event-driven heterogeneous traffic.

Research Assistant, Carnegie Mellon University (September 2007 - present)

- Advisor: Dr. Yiming Yang.
- Research on Optimization; Statistical Classification; Probabilistic Topic Modeling.

Research Assistant, Carnegie Mellon University (September 2005 - December 2007)

- Advisor: Dr. Eugene Fink
- Research in artificial intelligence and machine learning; Scheduling with incomplete/uncertain information; fast probability computations.

Research Assistant, Moscow Institute of Physics and Technology (September 2003 - June 2005)

Research in statistical language processing and Russian morphology.

WORK EXPERIENCE:

Software Engineer, SyberVision Corporation (March 2004 - December 2004)

Development of applications for visual-data representation in a network fault-management system

Market Analyst, Consul Group (Swiss Watch retailer and distributor in Russia) (February 2005 - August 2005)

Statistical analysis of Watch market in Russia

PUBLICATIONS:

"Multi-field Correlated Topic Modeling" Konstantin Salomatin, Yiming Yang, Abhimanyu Lad. SIAM International Conference on Data Mining, 2009.

"Scheduling with uncertain resources: Representation of common knowledge" Eugene Fink, P. Matthew Jennings, Konstantin Salomatin, and Jaime G. Carbonell. In Proceedings of the IEEE International Conference on Systems, Man, and Cybernetics, 2009.

PROGRAMMING LANGUAGES:

R, Java, C, C++, C#