

SERGEY PARAMONOV

sergey.paramonov@kuleuven.be

<http://sergey-paramonov.com>

Education

Ph.D. in Declarative Data Mining and Machine Learning *March 2013 - present*

KU Leuven, Promoter: Luc De Raedt

Modeling data mining problems using declarative methods such as logic and constraint programming

Partly done within the Inductive Constraint Programming Project: <http://www.icon-fet.eu>

M.S. in Computational Logic (joint degree)

Vienna University of Technology

Sept 2011 – Jan 2013

Master thesis under supervision of Thomas Eiter and Werner Nutt

Knowledge Representation, Web Data Extraction and Integration, Deductive Databases

Free University of Bolzano

March 2011 – July 2011

Information Integration, Ontologies, Model Checking

Dresden University of Technology

Oct 2010 – Feb 2011

Foundations of Logic, Constraint and Logic Programming

B.S. in Applied Mathematics & Physics

Sept 2006 – July 2010

Moscow Institute of Physics and Technology

Discrete Mathematics, Algorithms, Programming

Skills

Python, R, Bash, Linux, Vim, Prolog, L^AT_EX, SQL, Java, Algorithms, Data structures, Machine Learning, Data Mining, Artificial Intelligence, Logic, Statistics

Publications

Relational data factorization – under submission to Machine Learning Journal

Learning constraints in spreadsheets and tabular data – under submission to Machine Learning Journal

Debugging answer set programs using sketches – under submission to IJCAI

Knowledge representation analysis of graph mining, ASPOCLP 2016

On declarative modeling of structured pattern mining, AAI Workshop DeLBP, Phoenix AZ, 2016

Implementing query completeness reasoning, CIKM, Melbourne 2015

An exercise in declarative modeling for relational query mining, ILP, Kyoto 2015

Relational decomposition using ASP, LNMR Workshop, La Coruna 2013

Relational decomposition using ASP, Short paper, ILP, Rio de Janeiro 2013

An ASP approach to query completeness reasoning, ICLP, Istanbul 2013

MAGIK: Managing completeness of data, CIKM, Hawaii 2012

Work Experience

Consulting

Data Science, R&D for Recommender Systems, Coursmos.com

July – November 2015

Technical Writing and Promotion, Navicon Group, Navicongroup.com

April – August 2015

Technical Writing and Promotion, Data Mining Labs, DMLabs.org

April 2014

Intern at IBM Russia System and Technology Lab R&D Department,

April – Sept 2010

Automation of Business Processes. Java, SQL, IBM Lotus

Extracurricular

Yandex School of Data Analysis (Fall 2015 – Spring 2016)

Free Listener. Bayesian Methods, Statistics, Machine Learning, Image and Video Processing

Awards

Kaspersky Research Grant: Textual Data Analysis, 2013

Scholarship of the Foundation for the Development of Innovation Education, 2007-2009

http://phystech-foundation.org/en/foundation_

Summer Schools

Machine Learning (Kyoto 2015), Microsoft Research Machine Learning (St.Petersburg 2015), Information Retrieval (Nizny-N 2014), Microsoft Research Big Data (Moscow 2013), Trends in Computing (Tarragona 2013), Reasoning Web School (Vienna 2012), ESSLLI (Opole 2012), SAT/SMT School (Trento 2012), Formal Languages (Tarragona 2011), Microsoft Research Software and Verification (Moscow 2011), ICCL: Reasoning (Dresden 2010), Applied Functional Programming (Utrecht 2010)

Online education

Udacity: Programming Languages, Software Testing, Data Science, *Coursera*: Model Thinking, Data Analysis, Computing for Data Analysis *Caltech*: Learning from Data, *Google*: Power Searching I&II, *Stanford*: Databases (top-1%), Artificial Intelligence (top-1%)

Open Source

Collection of gathered datasets, algorithms and experiments <http://github.com/SergeyParamonov>

Web-projects

Creator of the visual web-analytics platform for Russian IT-blogs: <http://habr-analytics.com>

Popular Science Articles

<http://habrahabr.ru/users/varagian/topics> (in Russian)

Teaching

KU Leuven TA: Database Systems (Spring 2014, 2015, 2016), Knowledge Representation and Reasoning (Spring 2015, 2016)

Project Leader: Summer School of Science 2016 (Pozega, Croatia)

Supervision

Master's topics: ILP and the Semantic Web, Genetic Algorithms for Pattern Mining, Hybrid Declarative Languages for Structured Pattern Mining

Languages

Russian native, *English* professional (TOEFL, FCE, EF), *Dutch* pre-intermediate (B1), *German* pre-intermediate (B1 Zertifikat Deutsch from TU Wien),

Student Activity

AIIESEC: Moscow 2009-2010, Leuven 2013-2014, The Moscow School of Student Activity

Hackatons

Hack a story (data journalism, KU Leuven, 2015, Most Creative project), Diplohack (data journalism, EU Council Brussels, 2016, 3rd place), Hack Your Photo Heritage (image processing, KU Leuven, 2016, winner)