

Dmitrijs Miļajevs

Curriculum Vitae

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PERSONAL INFORMATION

Date of Birth October 24, 1987
Place of Birth Riga, Latvia
Citizenship Latvian

EDUCATION

October 2013 – October 2016 **Ph.D in Computer Science**, *Queen Mary, University of London, UK*.
<http://www.eecs.qmul.ac.uk>
research area Categorical distributional semantics. Word meaning representation in a vector space. Word vector composition and its application to dialogue analysis and paraphrase detection.
supervisor Dr. Mehrnoosh Sadrzadeh
co-supervisor Dr. Matthew Purver

October 2010 – September 2012 **European Master in Language and Communication Technologies**, Saarland University, Germany; University of Groningen, The Netherlands.
<http://www.lct-master.org>
thesis REAL-TIME DISCUSSION RETRIEVAL FROM TWITTER
supervisor Dr. Gosse Bouma
co-supervisor Dr. Ivan Titov

September 2008 – July 2010 **Bachelor in Applied Computer Science**, *Free University of Bozen–Bolzano, Italy*.
<http://www.unibz.it>
thesis ENSURING ANSWER COMPLETENESS OF QUERIES OVER ADMINISTRATIVE DATABASES
supervisor Prof. Werner Nutt

September 2007 – June 2008 **Bachelor in Computer Science**, *University of Latvia, Riga, Latvia*.
After the first year transferred to Free University of Bozen–Bolzano.

PROFESSIONAL EXPERIENCE

Summer 2014 **Mentor**, *Google summer of Code (GSoc), MoinMoin*, <http://code.google.com/soc/>, <https://moinmo.in/GoogleSoc2014/>.
MoinMoin is an advanced, user friendly and extensible wiki engine with a large community of users. I helped Saurabh Kathpalia to improve the ticket and blog items.

September 2012 – September 2013 **Developer**, *Paylogic*, <http://www.paylogic.nl>.
Development of a web-based ticketing system.

December 2011 – September 2012 **Intern**, *Paylogic*.
I developed an abstraction layer that communicates with social network websites (such as Facebook and Twitter) and provides a simple API used by Paylogic services.
At the same time I wrote my thesis, exploring how to gather tweets related to social events.

- August 2010 – **Researcher**, *Faculty of Computer Science, Free University of Bozen-Bolzano*.
- September 2011 Development of a completeness management system initially described in my bachelor thesis. The aim of the project is to come up with a demonstrator for the completeness management system.
- Summer 2009 **Student**, *GSoC and MoinMoin*, <http://www.moinmo.in/GoogleSoc2009/>.
- I extended MoinMoin with advanced data structures to support various backends for data storage. Also, I redesigned an internal search engine and replaced the library for an external search engine.
- My work was merged with the main development branch and became a part of MoinMoin version 1.9 released in December 2009.
- September 2005 – **Teacher**, *Progmeistars (programming courses)*, <http://progmeistars.lv/>.
- May 2008 I worked as an instructor giving lectures to teenagers. I specialized in two courses. The first course, **Logo I**, was about basic programming notions such as variables, conditional statements, loops and procedures. During the second course, **Logo II**, I described more advanced features of the language as functions, lists, recursion and higher order functions. Classes took place 2-3 times a week during a study year, and every working day during one summer month.

PUBLICATIONS

- September 2015 **IR Meets NLP: On the Semantic Similarity Between Subject-Verb-Object Phrases**, *ICTIR 2015*, Northampton, Massachusetts, USA.
- October 2014 **Evaluating Neural Word Representations in Tensor-Based Compositional Settings**, *EMNLP 2014*, Doha, Qatar.
<http://www.eecs.qmul.ac.uk/~dm303/emnlp14.html>
- April 2014 **Investigating the Contribution of Distributional Semantic Information for Dialogue Act Classification**, *EACL 2014 workshop on Continuous Vector Space Models and their Compositionality (CVSC)*, Gothenburg, Sweden.
<http://www.eecs.qmul.ac.uk/~dm303/cvsc14.html>
- May 2013 **Real-Time Discussion Retrieval from Twitter**, *WWW 2013 workshop on Real-Time Analysis and Mining of Social Streams (RAMSS)*, Rio de Janeiro, Brazil.

TALKS AND PRESENTATIONS

- August 2015 **A broad view on word vectors**, *Big-O meetup*, London, UK,
<http://www.eecs.qmul.ac.uk/~dm303/bigo/>.
A talk about current trends in lexical semantics.
- May 2014 **Python for scientists and anarchists**, *Pygrunn*, Groningen, The Netherlands,
<http://goo.gl/Tnac0Y>.
A talk about basic data processing tools and their application for natural language analysis.
- Compositional vector models of natural language**, *EECS Research Showcase 2014*, London, UK, http://www.eecs.qmul.ac.uk/~dm303/eecs_open14.html.
- February 2014 **Poultry and opster**, *Pydata*, London, UK, <http://pydata.org/>.
Two lightning talks about <http://poultry.rtfld.org>, a Twitter streaming API client and a tweet collection manager; and <http://opster.rtfld.org>, a command line argument parser.
- June 2012 **#Euro2012**, *EuroPython*, Florence, Italy.
A lightning talk demonstrating the Twitter activity during the UEFA Euro football championship.
- June 2008 **Creative Commons licenses in the Internet**, *BarCamp Caucasus*, Tbilisi, Georgia.

DEVELOPMENT TOOLS

- Data management NumPy, SciPy, Pandas scikit-learn, nltk, gensim, matplotlib

Web	Django, Flask, Tornado	Testing	pytest, robotframework
RDMS	PostgreSQL, MySQL	NoSQL	Riak, MongoDB
ORM	sqlalchemy	Task queue	Celery
MapReduce	Disco	Version control	Mercurial, Git
Deployment	virtualenv, buildout, anaconda	Transport layer	zeromq, WebSockets

OTHER ACTIVITIES AND INTERESTS

- 2015 – 2016 The president of the Queen Mary Equestrian Club, the armourer of the Queen Mary Fencing Club and a board member of the EECS student society.
- 2014 STEM ambassador. I volunteer for **Code Club** and help kids to create games using Scratch. <https://www.codeclub.org.uk>
- 2012 – 2013 International Alumni Ambassador of the University of Groningen
- Podcasting I hosted a weekly audio show called **3 dots**. The broadcast was run together with my friend where we discussed music and social events. I was responsible for ensuring the quality of the recording, administration of the website and distribution of the podcast over the Internet.
- Sports Modern pentathlon, which includes running, fencing, swimming, air pistol shooting and horse riding.