

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 – **Ph.D in Computer Science**, *Queen Mary, University of London*, UK.
October 2016 <http://www.eecs.qmul.ac.uk>
supervisor Dr. Mehrnoosh Sadrzadeh
co-supervisor Dr. Matthew Purver
October 2010 – **European Master in Language and Communication Technologies**, Saarland
September 2012 University, Germany, University of Groningen, The Netherlands.
<http://www.lct-master.org>
GRADUATE THESIS
title Real time discussion retrieval from Twitter
supervisor Dr. Gosse Bouma
co-supervisor Ivan Titov
September 2008 – **Bachelor in Applied Computer Science**, *Free University of Bozen–Bolzano*,
July 2010 Italy.
<http://www.unibz.it>
UNDERGRADUATE THESIS
title Ensuring answer completeness of queries over administrative databases
supervisor Prof. Werner Nutt
September 2007 – **Bachelor in Computer Science**, *University of Latvia*, Riga, Latvia.
June 2008 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 – **Developer**, *Paylogic*, <http://www.paylogic.nl>.
September 2013 Development of a web-based ticketing system.
December 2011 – **Intern**, *Paylogic*.
September 2012 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 – May 2008 **Teacher**, *Progmeistars (programming courses)*, <http://progmeistars.lv/>.
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, 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.
- October 2014 **Evaluating Neural Word Representations in Tensor-Based Compositional Settings**, in *proceedings of the EMNLP 2014*, Doha, Qatar. <http://www.eecs.qmul.ac.uk/~dm303/emnlp14.html>
- 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.
- April 2014 **Investigating the Contribution of Distributional Semantic Information for Dialogue Act Classification**, in *proceedings of the EACL 2014 workshop on Continuous Vector Space Models and their Compositionality (CVSC)*, Gothenburg, Sweden, <http://www.eecs.qmul.ac.uk/~dm303/cvsc14.html>.
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 lighting talks about <http://poultry.rtf.d.org>, a Twitter streaming API client and a tweet collection manager; and <http://opster.rtf.d.org>, a command line argument parser.
- May 2013 **Real Time Discussion Retrieval from Twitter**, in *proceeding of the WWW 2013 workshop on Real-Time Analysis and Mining of Social Streams (RAMSS)*, Rio de Janeiro, Brazil, <http://www.ramss.ws/2013/>.
- June 2012 **#Euro2012**, *EuroPython*, Florence, Italy.
A lighting 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	Transport layer zeromq, WebSockets

LANGUAGES

Russian	Mother tongue	Latvian	Fluent
English	IELTS 6.5, November 2007	German	Basic
Italian	Basic		

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 Gronigen
- 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.