

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>
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

September 2012 – **Developer**, *Payogic*, <http://www.paylogic.nl>.
September 2013 Development of a web-based ticketing system.
December 2011 – **Intern**, *Payogic*.
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 Further 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 **Google Summer of Code student**, *Google*, *MoinMoin*,
<http://code.google.com/soc/>, <http://www.moinmo.in/GoogleSoc2009/>.
MoinMoin is an advanced, user friendly and extensible wiki engine with a large community of users.

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 **Youth programming courses teacher**, *Progmeistars*, <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.

DEVELOPMENT TOOLS

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

PUBLICATIONS, TALKS AND PRESENTATIONS

May 2013 **Real Time Discussion Retrieval from Twitter**, *RAMSS 2013 in conjunction with WWW 2013*, Rio de Janeiro, Brazil, <http://tmblr.co/ZgAEbyiRVtpE>.
A presentation of a paper based on my Master thesis.

May 2013 **Real Time Discussion Retrieval from Twitter**, *Pygrunn*, Groningen, The Netherlands, <http://www.pygrunn.org/>.
A talk about advanced use of generators in Python on example of my Master thesis.

June 2012 **#Euro2012**, *EuroPython*, Florence, Italy.
I gave a lightning talk demonstrating the twitter activity during the UEFA Euro football championship.

December 2009 **Google Summer of Code**, *Free University of Bozen–Bolzano*, Bolzano, Italy.
I presented my experience and tips for applying next year to university students and staff.

June 2008 **Creative Commons licenses in the Internet**, *BarCamp Caucasus*, Tbilisi, Georgia.
BarCamp Caucasus is a new media and blogs event in the Caucasus focused on getting IT professionals acquainted with trends and developments in the sphere.
Organizers requested me to presented my talk given previously in Riga about copyright in the Internet.

February 2008 **Creative Commons licenses in the Internet**, *BarCamp Baltics*, Riga, Latvia.
Barcamp Baltics is an international conference for specialists in new media, blogging, social networking, web 2.0 concept and open source software.
I gave a 20 minute talk about copyright issues in the Internet and ways of solving them using Creative Commons licenses.

UNIVERSITY AND OTHER SOFTWARE PROJECTS

February 2010 – May 2012 **Magik**, Python, SQLAlchemy, PostgreSQL, Graphviz, Turbogears.
A library and a web interface for managing completeness of a database.

Summer 2009 **MoinMoin**, Python, Xapian, Xappy, py.test, <http://www.moinmo.in>.
Refactoring and enhancement of existing code base. Development of tests.

Summer 2004 **Modern pentathlon**, Delphi, MS SQL Server, A software that manages Modern pentathlon competitions. It is able to calculate competitors' points given their result in swimming, running, shooting, fencing and riding to determine the winner of competitions..

CONFERENCES AND MEETUPS

February 2013 **PyData**, *London*, UK, <http://pydata.org/ldn2014>.
PyData is a gathering of users and developers of data analysis tools in Python.

June 2012 **EuroPython**, *Florence*, Italy, <http://www.europython.eu>.
A conference about the Python programming language. It is aimed at everyone in the Python community, of all skill levels, both users and programmers.

June 2011 **EuroPython**, *Florence*, Italy.
I have been selected as recipient for a special grant for students at EuroPython 2011.

August 2009 **Zurich Open Source Jam 8**, *Zurich*, Switzerland.
A social event organized by Google about open source.
I was invited as a Google Summer of Code student to share my experience.

June 2009 **EuroPython**, *Birmingham*, UK.

September 2008 **Copyright versus Community, Richard Stallman speech**, *Brescia*, Italy.

July 2008 **EuroPython**, *Vilnius*, Lithuania.

LANGUAGES

Russian Mother tongue

Latvian Fluent

English IELTS 6.5, November 2007

German Basic
German I course at Free University of Bozen–Bolzano
Language classes at high school

Italian Basic
Italian I course at Free University of Bozen–Bolzano

OTHER ACTIVITIES AND INTERESTS

2014 STEM ambassador. I volunteer for **Code Club** and help kids 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.