

Martin Leginus

Personal details:

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Summary:

I am interested in intelligent web and social media systems with the focus on information retrieval, data summarization, recommendation systems, machine intelligence and data mining.

I am looking for a job where I could further develop my skills such that people around me could benefit from my knowledge. Further, there is a huge gap between practice and research. I'd like to narrow this gap.

Employment:

- 07.2012 - PhD fellow at Aalborg University, supervised by Dr. Peter Dolog**
Topic: Tag and Word cloud as means of navigation support in social media
- Development of algorithms to improve relevance and diversity of word clouds.
 - Summarization of social media data: how to personalize word cloud generation with respect to user preferences, how to enrich summarization with named entities and development of visual topic maps for enhanced exploration of social media information spaces.
 - Developed several prototypes using open source software J2EE framework, Primefaces, JQuery, Apache Solr, ElasticSearch, Apache Mahout, etc.
 - 6 research articles published in international conferences ([details](#))
 - Supervised master students semester projects about web and mobile systems,
 - 2x a teaching assistant for Machine Intelligence course.
- 02.2014-06.2014 Visiting scholar at Text Information Management and Analysis Group, University of Illinois, USA supervised by prof ChengXiang Zhai**
- Proposed a personalized word clouds generation from tweets exploiting different user past actions (retweets, implicit feedback, etc.).
 - Designed and implemented a [Beomap](#) system - a visual topic map for browsing and exploring social media data. Awarded with Amazon research grant.
- 07.2011-06.2012 Research assistant at IWIS group, Aalborg University**
- Development + design of word clouds and recommendation components for the medical personalized event-based surveillance project [M-eco](#).
- 07.2010-06.2011 Junior software tester at CSR (now Samsung Research), Aalborg**
- Implementing test cases and fixing revealed bugs for the Bluetooth communication software. Familiar with different Bluetooth layers, programming in C and usage of tools like: Purify, SVN and Wireshark.
- 02.2009-05.2009 Junior JavaScript Developer - Infinit, Bratislava**
- Developing JavaScript map application for the municipality of Bratislava. Responsible for presentation layer - JavaScript, OpenLayers, ExtJs, JQuery, XML, XPATH, CSS, XHTML.

Education:

- 2009 – 2011 **Master of Science, Machine intelligence Aalborg University,**
Master thesis on recommendation systems for social tagging systems. A part of
the thesis published as [article](#) at [UMAP2012](#). The average grade : 10.0
- 2006 – 2009 **Bachelor degree in Advanced web technologies, Slovak University of
Technology in Bratislava** (2 times scholarship for good results)

Projects:

- 2014 - **Beomap** a topic map for browsing, searching and exploration of social media data.
Awarded and supported with the research grant by Amazon.
- 2012 - 2013 **Webintelligence** a prototype for harvesting, processing and browsing social
media data for Danish tax office.

Computer science skills:

Information retrieval, clustering analysis, personalization and recommendation systems,
machine intelligence, matrix factorization, natural language processing and data mining

Programming skills:

- Advanced:** J2EE, JSF, Primefaces, JBOSS AS 7, MySQL, PostgreSql, MongoDB,
ElasticSearch, Apache Solr, Rest and Soap, JavaScript, JQuery, JqPlot,
XHTML, CSS, Maven, GIT, SVN, OS UNIX
- Very good:** C, Purify, SOAP, Oracle, Apache Tomcat, BPEL , web services, Seam
framework, EJB 3.0, Oracle, Riffsaw BPEL engine, C++, C#, PHP, Prolog,
Haskell, Aspect J, Scala, MS SQL, Visual Basic, QLink, MS Access, C shell

Volunteer activities:

- 2013-2014 Developed and maintained web sites for international conferences:
[ICWE2013](#), [UMAP2014](#). Main organizer and responsible for volunteers.
(soft skills, networking with world research community)
- 2014- Reviewer for [WWW2015](#), [IPM](#) (critical thinking and familiar with research)
- 2012-2014 Leading an English students catholic group in Aalborg – organizing meetings
and activities for young people (soft skills, leadership)

Language skills:

Slovak (native), English(fluently), Polish (beginner), Danish (basics)

What I like:

Pink Floyd, swimming, traveling, meeting people, couchsurfing, Viktor Frankl

References:

[Prof. ChengXiang Zhai](#)
Department of Computer Science
University of Illinois at Urbana-Champaign
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[Dr. Peter Dolog](#)
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