

Vladimir M. Zaytsev

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Education

University of Southern California, Los Angeles
M.S., Computer Science, 2012 – present
Expected graduation date: May 2014

Yugra State University, Khanty-Mansiysk, Russia
B.S., Computer Science, 2008-2012
GPA: 4.9/5.0

Additional Education

University of California at Berkeley
Summer Session Student, June – August 2011

- Practical Machine Learning (stat 132) – A level
- Concepts of Statistics (stat 135)

Internships and Jobs

Intern at USC Information Sciences Institute, *September 2012 - current*
Computational Behavior Group – <http://cbg.isi.edu>

- Directed research in Spatiotemporal Data Analytics projects.

Software Engineer at Medical Insurance Fund of Khanty–Mansi Autonomous Okrug
August 2011 - July 2012, Department of Software Development – <http://ofoms.ru>

- Designed and developed most of main web services at ofoms.ru; customer feedback collecting and classification system.
- Created technical documentation.

Intern at Yugra Research Institute of Information Technologies, *Feb 2009 - May 2011*
Laboratory of Electronic Technologies in Education – <http://uriit.ru>

- Developed an application for extracting essential information from job description texts using natural language processing methods.
- Developed subsystems in a web-platform for consumer-educational markets: search (finding similar objects), user text chat, user tools for data management.

Computer Skills

Programming: Python, NLTK, Scikit-Learn, C/C++, BOOST, STL, Erlang/OTP, R, C#, JavaScript;

Software: PostgreSQL, Riak, Redis, Mochiweb, Apache, Nginx, git, Linux, Mac OS, Windows;

Other: HTML, CSS, \LaTeX , SQL, XML, JSON.

Career and Research Interests

machine learning, information retrieval, natural language processing, distributed computing

Projects

Current Projects

- Spatiotemporal Data Analytics (September 2012 - current). <http://cbg.isi.edu>
- Farseer Project (July 2011 – June 2012) – A toolset for web news text analysis and social signals prediction. Source code (Python, C++, SQL, JavaScript): <https://github.com/zaycev/farseer>
- VRPTW (May-July 2012) – An application for solving vehicle routing problems with time windows. Source code (C#): <https://github.com/zaycev/vrptw>
- rfc4627c (2011) – a JSON encoder/decoder for Erlang/OTP. Source code (C, Erlang NIF): <https://github.com/zaycev/rfc4627c>

Other Projects

- E2C (2010 – 2011) – a web-platform for education-consumer networks. Source code (Erlang, JavaScript): <https://github.com/zaycev/e2c>
- TGS (2009 – 2010) – An application for extracting essential information from job description texts. (Erlang, Python, C#, C++)
- Algebra course project (2009) “Polynomials Factorization Over the Golois Fields”. Console application (C++, BOOST, Win32): <http://zvm.me/files/pf.tar.bz2>

Summer schools

- 9th Estonian Summer School on Computer and Systems Science, August 2010;
- EF Malta – International Language Schools, July 2007.

Conference talks

- 19th Youth Scientific Conference “Lomonosov 2012”, Moscow, April 2012
Topic: “Analysis of social activity around web-news and blogs to predict term associations.”
- 49th International Scientific Students Conference, Novosibirsk, April 2011
topic: “E2C: Web-Platform for Two-Sided Educational Markets”
- 48th International Scientific Students Conference, Novosibirsk, April 2010
topic: “Automated Extracting of Essential Information from job Description Texts”

Achievements, awards and grants

- Third diploma in International Scientific Students Conference
Novosibirsk, April 2012
- Second diploma in International Scientific Students Conference
Novosibirsk, April 2011
- First place in University Student Scientific Research Works Contest
scholarship by Salym Petroleum Development (<http://salympetroleum.ru/>)
Khanty-Mansiysk, June 2010
- First diploma in Student Research Conference at Yugra State University
Khanty-Mansiysk, May 2010
- Third diploma in International Scientific Students Conference
Novosibirsk, April 2010
- First diploma in Second District Government Computer Projects Contest
Khanty-Mansiysk, December 2009

Publications

- Vladimir Zaytsev, Lyudmila Alsynbaeva (2011) E2C: experimental platform for two-sided educational markets – a high level overview. 49th International Scientific Students Conference. Conference papers digest. IT Section, pp. 82 – 83.
Novosibirsk State University, 2011 (<http://issc.nsu.ru/en/node/133>).
- Vladimir Zaytsev, Lyudmila Alsynbaeva (2010) Automated extracting of essential information from job description texts. 48th International Scientific Students Conference. Conference papers digest. IT Section, pp. 131 – 132.
Novosibirsk State University, 2010 (<http://issc.nsu.ru/en/node/79>).

Public services and activities

- Co-organizer and judge of MathWeek at Yugra State University (2009 – 2011).