Vladimir Zaytsev

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EDUCATION

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

Yugra State University, Khanty-Mansiysk, Russia
B.S., Computer Science and Engineering, 2008-2012, GPA: 4.9/5.0
Research adviser: Vladimir Burlutskiy

ADDITIONAL EDUCATION

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

- stat 132: Practical Machine Learning, "A-" Level
  cource project: http://zvm.me/files/farseer.pdf

- stat 135: Concepts of Statistics

CAREER AND RESEARCH INTERESTS

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

INTERNSHIPS AND JOBS

Medical Insurance Fund of Khanty–Mansi Autonomous Okrug (http://ofoms.ru)
Software Engineer (Python), Development Department, August 2011 – December 2011

- Developed key web services, customer feedback collecting and classification system

- Participated in creation of specifications and technical documentation

Yugra Research Institute of Information Technologies (http://uriit.ru)
R&D Intern, February 2009 – May 2011. Advisor: Lyudmila Alsynbaeva

- Developed NLP system working prototype for extracting essential information from job description texts

- Participated in developing of a web-platform for consumer-education markets, created subsystems for searching similar objects (locality-sensitive hashing), user chat, some tools for customer's data managment

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." p. 121

- 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 Goverment Computer Projects Contest
  Khanty-Mansiysk, December 2009

Projects

Current projects

- Farseer Project (July 2011 – June 2012) – web news texts analysis and social signals prediction:
  source code (Python, R, SQL, JavaScript): https://github.com/zaycev/farseer

- VRPTW (May-July 2012) – An application for solving vehicle routing problems with time windows (VRPTW):
  source code (C#): https://github.com/zaycev/vrptw

- rfc4627c (2011) – 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

- Event Flows (May 2011) – events tracking web-service which provides statistics tools and
  embeddable UI based on widgets; source code (Erlang, Python, JavaScript): https://github.com/zaycev/eflows

- TGS (2009 – 2010) – an application for extracting essential information from job description texts, developed at Yugra Research Institute of Information Technologies (Erlang, Python, C#, C++)

- Algebra course project (2009) "Polynomials Factorization Over the Golois Fields" (C++, BOOST)
  console application (Win32): http://zvm.me/files/pf.tar.bz2

- Unnamed PC game in slasher genre, (2008) (C/C++, DirectX)

- Iverty (2007) – a simple "Geometry Wars" like game, (Flash)
  flash application: http://vk.com/app157172_7049085

PUBLICATIONS

- Vladimir Zaytsev, Lyudmila Alsynbaeva (2011) E2C: experimental platform for two-sided educational markets – a high level overview. 49th International Scientific Students Conference (http://issc.nsu.ru/en/node/133).
  Conference papers digest. IT Section, pp. 82 – 83.
  Novosibirsk State University, 2011

- Vladimir Zaytsev, Lyudmila Alsynbaeva (2010) Automated extracting of essential information from job description texts. 48th International Scientific Students Conference (http://issc.nsu.ru/en/node/79).
  Conference papers digest. IT Section, pp. 131 – 132.
  Novosibirsk State University, 2010

COMPUTER SKILLS

- C/C++, BOOST, STL, Python, NLTK, Erlang/OTP, R, C#, Scheme, Matlab, JavaScript

- HTML, CSS, LaTeX, SQL, XML, JSON, Google protocol buffers

- UML, IDEFx

- Linux, Mac OS, Windows

- PostgreSQL, Riak, Redis, Berkeley DB, Mnesia, MySQL

- Mochiweb, Yaws, Apache, Nginx

PUBLIC SERVICES AND ACTIVITIES

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

References

- Vladimir Burlutskiy
  Yugra State University
  v_burluc@ugrasu.ru

- Lyudmila Alsynbaeva
  Yugra Research Institute of Information Technologies
  alg@uriit.ru

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actual version is available here: zvm.me/s/zaytsev-cv.pdf