

# Vladimir Zaytsev

Yugra State University  
Institute of Applied Mathematics,  
Computer Science and Control  
16 Chekhova St, Khanty-Mansiysk 628010, Russia

Cell phone: 890-281-95844  
Email: [vladimir@zvm.me](mailto:vladimir@zvm.me)  
Homepage: <http://zvm.me/>

## BIOGRAPHICAL DATA

Citizenship: Russia  
Date and place of birth: February 5, 1991, Donetsk, USSR

## EDUCATION

Yugra State University, Khanty-Mansiysk, Russia  
B.S., Computer Science and Engineering, 2008 – present, GPA: 4.0 (5 out of 5 in Russian Grading System)  
Research adviser: [Vladimir Burlutskiy](#)  
Expected graduation date: June 2012

## ADDITIONAL EDUCATION

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

- stat 132: Practical Machine Learning, A- Level  
course project: <http://zvm.me/files/farseer.pdf>

## CAREER AND RESEARCH INTERESTS

machine learning, information retrieval, software engineering, very large information systems

## 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 managing

## SUMMER SCHOOLS

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

## CONFERENCE TALKS

- 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

- 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

Certificates are available upon request

## PROJECTS

### *Current projects*

- Farseer Project (July 2011 – present) – news topics analysis and social signals prediction  
scalable web-research toolbox, source code repository (work in progress): <http://farseer-project.github.com>
- E2C (2010 – 2011) – a web-platform for education-consumer networks,  
source code (Erlang, JavaScript): <https://github.com/zaycev/e2c>
- rfc4627c (2011) – JSON encoder/decoder for Erlang/OTP  
source code (C, Erlang NIF): <https://github.com/zaycev/rfc4627c>

### *Other projects*

- 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](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, OpenMP, Erlang/OTP, Python, R, C#, Scheme, Matlab, JavaScript
- HTML, CSS,  $\text{\LaTeX}$ , 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

- Coordinator in the Infolab at Yugra State University - student research laboratory and network for extracurricular education in computer science (<http://infolab.ugrasu.ru>) (2011).
- Co-organizer and judge of MathWeek at Yugra State University (2009 – 2011).

## COMMUNICATION SKILLS

- Russian (native)
- English (communication, reading and writing technical documentation)

## REFERENCES

- Vladimir Burlutskiy  
Yugra State University  
[v\\_burluc@ugrasu.ru](mailto:v_burluc@ugrasu.ru)
- Lyudmila Alsynbaeva  
Yugra Research Institute of Information Technologies  
[alg@uriit.ru](mailto:alg@uriit.ru)

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