

# Vladimir Zaytsev

Ugra State University  
Institute of Applied Mathematics,  
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## Biographical Data

Born on February 5, 1991, Donetsk, USSR  
Citizenship: Russia

## Education

Ugra State University, Khanty-Mansiysk, Russia  
B.S., Computer Science and Engineering, 2008–present (GPA: 5.0/5.0)  
Research adviser: Vladimir Burlutskiy  
Expected graduation date: June, 2012

## Additional Education

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

- stat 135: Concepts of Statistics
- stat 132: Practical Machine Learning, A-  
final project: <http://zvm.me/files/farseer.pdf>

## Career and Research Interests

algorithms and data structures, information retrieval, machine learning, software engineering,  
functional programming, large scale information systems

## Internships

Ugra Research Institute of Information Technologies. Advisor: Lyudmila Alsynbaeva, sep 2009–may 2011

## Student Schools

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

## Conference Talks

- 49–th International Scientific Students Conference, Novosibirsk, April 2011  
topic: "an overview of experimental platform for two-sided educational markets"
- 48–th International Scientific Students Conference, Novosibirsk, April 2010  
topic: "automated knowledge extraction and tests generation from job description texts"

## Awards and Grants

- International Scientific Students Conference, second degree diploma  
Novosibirsk, April 2011
- The Best Student Scientific Research Work Award by Salym Petroleum Development  
Khanty-Mansiysk, June 2010
- Student Research Conference of the Ugra State University, first degree diploma  
Khanty-Mansiysk, May 2010
- International Scientific Students Conference, third degree diploma  
Novosibirsk, April 2010
- Second Youth Competition of IT-Projects in Khanty-Mansiysk Autonomous District,  
first degree diploma Khanty-Mansiysk, December 2009

## Projects

### *Actual Projects*

- Farseer Project (Jul 2011-...) - analysis and social response prediction from news topics, open source web research automatization framework, <http://farseer-project.github.com>
- E2C (2010-2011) - an experimental 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) - web service for creating user event widgets, and getting statistics source code (Erlang, JavaScript): <https://github.com/zaycev/eflows>
- TGS (2009-2010) - applications for knowledge extracting and automated tests generations from job description texts, developed for Ugra Research Institute of Information Technologies (Erlang, Python, C#, C++)
- Algebra course project "Factorization of polynomials over a finite field", 2009 (C++)
- Slasher PC game, 2008-2009 (C/C++, DirectX)
- Ivery - a simple "Geometry Wars" like game, 2007-2008 (Flash)  
[http://vk.com/app157172\\_7049085](http://vk.com/app157172_7049085)

## Computer Skills

### *Programming Languages*

- primaries: C/C++, Erlang/OTP, Python
- also familiar with: R, C#, bash, Scheme, Matlab, JavaScript

### *Other Languages*

- HTML, CSS
- $\text{\LaTeX}$
- SQL
- XML
- JSON
- UML, IDEFO

### *Operating Systems*

- Linux
- Mac OS X
- Windows

### *Software*

- DBMS: PostgreSQL, Redis, BerkeleyDB, Mnesia, MySQL
- Web-Servers: mochiweb, yaws, inets, apache, ninx

## Communication Skills

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

## References

- Vladimir Burlutskiy, Ugra State University  
[vladimir.burlutskiy@gmail.com](mailto:vladimir.burlutskiy@gmail.com)
- Lyudmila Alsynbaeva, Ugra Research Institute of Information Technologies  
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