

# Oleg Razgulyaev

Data scientist at Kaggle

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## Summary

Developer/Architect of highload web applications using machine learning and other AI methods. R&D.

Specialties: Web, highload, machine learning, data mining

Primary languages: C, python

Secondary: C++, perl, bash, Matlab, R

OS: FreeBSD, linux

SQL: mySQL

NoSQL: Berkeley DB, Redis

Algorithms: general, machine learning, AI

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## Experience

### **Data Scientist at Kaggle**

June 2012 - Present (1 year 1 month)

- machine learning for various projects
- recommended missing links in a social network (Facebook)
- predicted the salary of UK job ad based on its contents (Adzuna)
- predicted the auction sale price for a piece of heavy equipment (FastIron)

### **Developer at Telecom Media**

October 2012 - February 2013 (5 months)

- machine learning for advertisement targeting
- predicted gender from user's click stream

### **Team Leader at Rambler**

January 2002 - September 2012 (10 years 9 months)

- highload web advertising service with 10 million visitors per day
- stable performance with 500 times traffic's growth from start up
- heavy realtime statistics subsystem for ads targeting on visitor behavior
- context advertising in search results subsystem
- targeting by visitor profile subsystem
- ads realtime auction subsystem
- geography and demography targeting subsystem

### **Senior Software Engineer at Stack Group**

June 1999 - December 2001 (2 years 7 months)

- startup: advertising system from scratch (ads management, ads rotation, realtime statistics, web interface)
- core of this advertising system works at Rambler so far

### **Senior Software Engineer at Institute of Protein Research**

January 1990 - May 1999 (9 years 5 months)

- software for genome sequencing with nested strand hybridization
- development of systems of control devices
- interactive graphics systems under MS Windows
- graphics system under MS DOS

### **Postgraduate at Institute of Protein Research**

March 1984 - November 1989 (5 years 9 months)

- investigation of the kinetics of protein folding
- experimentally proved the existence of an intermediate state in protein folding
- software program of decomposition of the kinetic curve
- study of the interdomain mobility of proteins

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## Skills & Expertise

**Machine Learning**

**Artificial Intelligence**

**Algorithms**

**Matlab**

**Bioinformatics**

**Unix**

**Perl**

**C**

**C++**

**Online Advertising**

**Statistics**

**Data Mining**

**Biophysics**

**Molecular Biology**

**Linux**

**Redis**

**Python**

**MySQL**

**Git**

**FreeBSD**

**Bash**

**Nginx**

**SQL**

**Data Science**

**R**

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## Courses

Stanford Online Courses, Coursera, Edx

Introduction to Artificial Intelligence, by Sebastian Thrun and Peter Norvig, Stanford CS221  
Machine Learning, by Andrew Ng, Stanford CS229A  
Natural Language Processing, by Dan Jurafsky and Chris Manning, Stanford CS224N  
Computing for Data Analysis, by Roger D. Peng, Johns Hopkins Bloomberg School  
Introduction to Mathematical Thinking, by Keith Devlin, Stanford  
Web Intelligence and Big Data, by Gautam Shroff  
Artificial Intelligence, by Dan Klein and Pieter Abbeel, CS188.1x Berkeley  
Neural Networks for Machine Learning, by Geoffrey Hinton, University of Toronto  
Learning From Data, by Yaser Abu-Mostafa, Caltech  
Data Analysis, by Jeff Leek, Johns Hopkins University

Udacity

Building a Search Engine, by David Evans, University of Virginia CS101  
Web Application Engineering, by Steve Huffman, reddit.com, Hipmunk CS253  
Design of Computer Programs, by Peter Norvig, Google CS212

Academic Earth

Introduction to Computer Science I, by David J. Malan, Harvard CS50  
Death (Introduction to Philosophy), by Shelly Kagan, Yale  
Introduction to Psychology, by Paul Bloom, Yale

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## Publications

**OLEG RAZGULYAEV, ANATOLY RUBINOV, MIKHAIL GELFAND, and ALEXANDER CHETVERIN. Sequencing Potential of Nested Strand Hybridization**

Journal of Computational Biology. Summer 1995, 2(2): 383-395. 1995

Authors: Oleg Razgulyaev

**Semisotnov G.V., Rodionova N.A., Razgulyaev O.I., Uversky V.N., Gripas' A.F., and Gilmanshin R.I. (1991) Study of the "molten globule" intermediate state in protein folding by a hydrophobic fluorescent probe.**

Biopolymers 31, 119-128 1991

Authors: Oleg Razgulyaev

**Michael A. SINEV, Oleg I. RAZGULYAEV, Maria VAS, Alexander A. TIMCHENKO and Oleg B. PTITSYN Correlation between enzyme activity and hinge-bending domain displacement in 3-phosphoglycerate kinase**

Eur. J. Biochem. 180,61-66 (1989) 1989

Authors: Oleg Razgulyaev

**O.B. Ptitsyn, R.H. Pain, , G.V. Semisotnov, E. Zerovnik, O.I. Razgulyaev Evidence for a molten globule state as a general intermediate in protein folding**

FEBS Letters 1990

Authors: Oleg Razgulyaev

**Semisotnov GV, Vas M, Chemeris VV, Kashparova NJ, Kotova NV, Razgulyaev OI, Sinev MA. Refolding kinetics of pig muscle and yeast 3-phosphoglycerate kinases and of their proteolytic fragments.**

Eur J Biochem. 1991 Dec 18;202(3):1083-9. 1991

Authors: Oleg Razgulyaev

**Semisotnov GV, Uversky VN, Sokolovsky IV, Gutin AM, Razgulyaev OI, Rodionova NA. Two slow stages in refolding of bovine carbonic anhydrase B are due to proline isomerization.**

J Mol Biol. 1990 Jun 5;213(3):561-8. 1990

Authors: Oleg Razgulyaev

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## Education

**Stanford Online Courses, Coursera, Edx**

2011 - 2014

**Udacity**

2012 - 2013

**Academic Earth**

2008 - 2010

**Sankt Petersburg State University**

MS, Physics, 1978 - 1984

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## Honors and Awards

The top 1% of Stanford online AI class with a score of 100.0%, 2011

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[Contact Oleg on LinkedIn](#)