

# KIRILL IGUMENSHCHEV

1632 Walnut St.  
Berkeley, CA 94709

(585) 313-6024  
kirill.igum@gmail.com  
[www.linkedin.com/in/kirilligum](http://www.linkedin.com/in/kirilligum)

## Employment

Vice President of Data Scientist, <i>Lantern Credit, Newport Beach, CA</i>	2018, Feb-Mar
Credit Score Cards · Modelling · Research · Serverless architecture	
Principal Data Scientist, <i>Lantern Credit, Newport Beach, CA</i>	2017-2018
White-box machine learning research · Data pipeline automation · team building	
Co-founder, <i>MADObjective, San Francisco</i>	2017-2018
Sales and marketing insights and automation. UI · ML · product · Agile	
Founder, <i>FlowerBid, San Francisco</i>	2017-present
Web marketplace for farming businesses in California	
Data Scientist, <i>6sense, San Francisco</i>	2015-2017
modeling · features · monitoring data-pipeline tool · lead scoring · distributed scraping · classification of web pages from weblogs · foreign-to-English translation on HIVE · distributed clustering algorithm	
Lead Data Scientist, <i>Sentio, San Francisco</i>	2015-2017
natural language processing of earnings conference calls · trading indicators from website visits and web-search	
Postdoc (Computational Chemistry), <i>University of California, Berkeley</i>	2012-2014
Mathematical and computational methodology for simulating quantum effects in previously unapproachable large systems by leveraging path-integrals and distributed C++ algorithms on 20,000 computers	
Summer Research Assistant, <i>Los Alamos National Laboratory</i>	2003, 2004, 2006
Research Assistant, <i>University of Rochester</i>	2002-2004, 2011-2012

## Skills

Credit score cards · NLP · UI (ReactJS) · Random Forest · Symbolic Regression · Genetic programming · Numerical Methods · Databases · Distributed computing · Cache-optimization · C++, Python, Perl, Hadoop, Spark, SQL

## Relevant Coursework

data science · statistics · machine learning · neural networks · lean launchpad start-up · probability · statistical physics · game theory · coaching and leadership · natural language processing

## Personal Projects

Block-chain distributed microblog  
Ethereum · recommendation engine sharing · webapp ·  
Command line tool for the statistical description of big data (>100GB) <https://github.com/kirilligum/daccli>  
C++ · distributed · streaming algorithms · optimization · Valgrind  
Modified extremely randomized trees (in progress) <https://github.com/kirilligum/turids>  
C++ · cache-optimization · cache-oblivious  
Educational games recommendation platform  
Founded and co-led a team of 8 people for a lean start-up class at HAAS Business School · Customer discovery with over 10 hypothesis-validation interviews a week · Established partnership with content providers and schools · webapp

## Education

PhD and MS (Chemistry), <i>University of Rochester, Rochester, NY</i>	2004-2011
BS (Physics), <i>University of Rochester, Rochester, NY</i>	2002-2004
<i>Moscow Institute of Physics and Technology, Moscow, Russia</i>	2000-2001

## Publications

J. Chem. Phys. 138, 054104 (2013); Molecular Physics 110,837 (2012); Phys. Rev. E 84, 026616 (2011); Phys. Rev. B 71, 033201 (2005); J Chem Phys. 127, 114902 (2007)

## Personal

endurance sports (cycled 200 miles in a day) · kite-boarding · intellectual confidence mentorship · tango/salsa instructor · barefoot ice climbing · organized art events for 300+ people · mixed-martial arts (caught a laptop thief)