# KIRILL IGUMENSHCHEV

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## Employment

Leader of Analytics Center of Excellence, *C6 Bank, São Paulo, Brazil* — 2019-2020
Build and lead a team of data scientists to support marketing, CRM, fraud, credit, collection

NLP consultant, *Nucleal, San Francisco, CA* — 2018, Sep
Psychological personalities for brands · word and sentence embedding · research on distance

Vice President of Data Scientist, *Lantern Credit, Newport Beach, CA* — 2017-2018
Credit Score Cards · Modelling · Research · Serverless architecture · team building

Co-founder, *MADObjective, San Francisco* — 2017-2018
Sales and marketing insights and automation. UI · ML · product · Agile

Founder, *FlowerBid, San Francisco* — 2017-2019
B2b wholesale agriculture marketplace with financing

Data Scientist, *6sense, San Francisco* — 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, *Sentieo, San Francisco* — 2015-2017
natural language processing of earnings conference calls · trading indicators from website visits and web-search

Postdoc (Computational Chemistry), *University of California, Berkeley* — 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, *Los Alamos National Laboratory* — 2003, 2004, 2006

Research Assistant, *University of Rochester* — 2002-2004, 2011-2012

## Skills

Credit · NLP · UI (ReactJS) · Random Forest · Symbolic Regression · Genetic programming · Numerical Methods · Databases · 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 a description of big data (>100GB) `https://github.com/kirilligum/dacli`
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 a team of 8 for a lean start-up class with Steve Blank at HAAS · 140 Customer discovery interviews

## Education

PhD and MS (Chemistry), *University of Rochester, Rochester, NY* — 2004-2011
BS (Physics), *University of Rochester, Rochester, NY* — 2002-2004
*Moscow Institute of Physics and Technology, Moscow, Russia* — 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)