

# Maxim Rabinovich

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RISE Lab, Soda Hall, UC Berkeley  
Berkeley, California 94720  
rabinovich@berkeley.edu  
<http://www.eecs.berkeley.edu/~rabinovich>

EDUCATION	PhD in Computer Science University of California—Berkeley, Berkeley, CA Advisors: Michael I. Jordan and Dan Klein	August 2014 - Present
	MPhil in Information Engineering University of Cambridge, Cambridge, United Kingdom Advisor: Zoubin Ghahramani	September 2013 - August 2014
	AB in Mathematics (with Highest Honors) Princeton University, Princeton, NJ Minors: Computer Science, Applied Mathematics Senior thesis advisor: David M. Blei	September 2009 - June 2013
RECENT EMPLOYMENT	Research intern Google Research (hosted by Emily Pitler)	Summer 2016
	Research intern Xerox Research Centre Europe (hosted by Cédric Archambeau)	Summer 2013
	Summer research student Princeton University (hosted by David M. Blei)	Summer 2012
FELLOWSHIPS AND OTHER DISTINCTIONS	Fannie and John Hertz Foundation Google Fellowship NSF Graduate Research Fellowship Cambridge Overseas Trust Scholarship Miller Prize for Best Senior Thesis in Mathematics, Princeton University Phi Beta Kappa Early Election, Princeton University Shapiro Prize for Academic Excellence, Princeton University Finalist, Intel Science Talent Search	2015 2013 2013 2013 2012 2010 2009
PUBLICATIONS	Optimal rates and tradeoffs in multiple testing Maxim Rabinovich, Aaditya Ramdas, Martin J. Wainwright, Michael I. Jordan. Under review.	
	Abstract syntax networks for code generation and semantic parsing Maxim Rabinovich*, Mitchell Stern*, and Dan Klein. ACL 2017. <b>Outstanding Paper.</b>	
	Fine-grained entity typing with high-multiplicity assignments Maxim Rabinovich and Dan Klein. ACL 2017.	
	Quantitative criticism of literary relationships Joseph P. Dexter, Theodore Katz, Nilesch Tripuraneni, Tathagata Dasgupta, Ajay Kannan, James A. Brofos, Jorge A. Bonilla Lopez, Lea A. Schroeder, Adriana Casarez, Maxim Rabinovich, Ayelet Haimson Lushkov, and Prमित Chaudhuri. PNAS.	

Function-specific mixing times and concentration away from equilibrium  
Maxim Rabinovich, Aaditya Ramdas, Michael I. Jordan, Martin J. Wainwright.  
Under review.

Variational consensus Monte Carlo  
Maxim Rabinovich, Elaine Angelino, and Michael I. Jordan. NIPS 2015.

On the accuracy of self-normalized log-linear models  
Jacob Andreas\*, Maxim Rabinovich\*, Michael I. Jordan, and Dan Klein . NIPS 2015.

Efficient inference for unsupervised semantic parsing  
Maxim Rabinovich and Zoubin Ghahramani. Workshop on Learning Semantics, NIPS 2014.

The Inverse Regression Topic Model  
Maxim Rabinovich and David M. Blei. ICML 2014.

TECHNICAL  
REPORTS AND  
THESES

Efficient inference and parsing for semantic grammars  
Maxim Rabinovich. Master's thesis, University of Cambridge.

Online inference for relation extraction with a reduced feature set  
Maxim Rabinovich and Cédric Archambeau. Arxiv report.

Inverse regression topic modeling: Models, inference, and applications  
Maxim Rabinovich. Senior thesis, Princeton University.

CONTRIBUTED  
TALKS

Optimal rates and tradeoffs in multiple testing June 2017  
10th International Conference on Multiple Comparison Procedures (MCP).

Beyond worst-case mixing times for Markov Chains January 2016  
Breaking News Session, Joint IMS-ISBA MCMSki Meeting.

Embarrassingly parallel MCMC with optimized aggregation May 2015  
AMPLab Spring Retreat.

The Inverse Regression Topic Model September 2013  
Spotlight Presentation, NY Academy of Sciences Machine Learning Symposium.

RELEVANT EXTRA-  
CURRICULARS

Member, Class of 2013 Last Lectures Organizing Committee 2013  
President, Princeton Undergraduate Mathematics Club 2012-2013  
Outreach Chair, Princeton ACM Student Chapter 2012-2013  
Colloquium Coordinator, Princeton Undergraduate Mathematics Club 2011-2012  
Founder and Coordinator, COS@PHS High School Outreach Program 2011-2013

RELEVANT SKILLS

Programming languages: Java, C, C++, Scala, Python, R, Matlab.  
Natural languages: French, Russian.