

# Keyon Vafa

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Columbia University  
Department of Statistics  
New York, NY

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Interests	Machine Learning, Data Science, Approximate Bayesian Inference	
Education	<b>Columbia University</b> Ph.D. Statistics Advisor: <a href="#">David Blei</a>	2016 -
	<b>Harvard University</b> B.A. (honors) Computer Science and Statistics	2012 - 2016
Awards and Fellowships	National Science Foundation, Graduate Research Fellow (\$34,000/year)	2016 - 2019
	Columbia University Dean's Fellow (full graduate funding)	2016 -
	Graduated from Harvard magna cum laude	2016
	Elected to Phi Beta Kappa Society	2016
	Awarded high honors for undergraduate thesis	2016
	Bok Center Certificate of Distinction in Teaching	2015
Research	John Harvard Scholar (grade point average in top 5% of class)	2013 - 2015
	<b>Training and Inference for Deep Gaussian Processes</b> Supervised by <a href="#">Alexander Rush</a>	2016
	Proposed the Deep Gaussian Process Sampling algorithm, an approximate inference method for deep Gaussian Processes (a regression model that combines Gaussian processes with deep architectures) as part of <a href="#">undergraduate thesis</a> .	
	<b>Price Discrimination in The Princeton Review's Online SAT Tutoring Service</b> Supervised by <a href="#">Latanya Sweeney</a>	2015
	Uncovered evidence of geographic-based price discrimination for Princeton Review's online tutoring service. Published in <a href="#">Journal of Technology Science</a> , presented to Federal Trade Commission in Washington D.C., and featured in <a href="#">Propublica</a> and on the Today Show on NBC.	

	<b>Predicting Restaurant Hygiene with Yelp</b> Supervised by <a href="#">Michael Luca</a>	2014 - 2015
	<p>Explored using Support Vector Machines and Supervised LDA as methods to predict health inspection scores for restaurants in San Francisco using the text of Yelp reviews.</p>	
Work Experience	<b>Data Science Intern, Facebook</b> Queried data with <a href="#">Apache Hive</a> and <a href="#">Presto</a> to model Facebook traveling patterns, city categorizations, and tourist engagement levels.	2015
	<b>Software Engineering Intern, Facebook</b> As member of Data Science Infrastructure team, created dashboards with relevant statistics for data scientists and implemented historical experiment repository.	2014
Teaching	<b>Department of Computer Science, Harvard University</b> Teaching Fellow, CS 281: Advanced Machine Learning (graduate level) Professor: <a href="#">Finale Doshi-Velez</a>	2015
	Teaching Fellow, CS 181: Introduction to Machine Learning Professor: <a href="#">Ryan Adams</a>	2015
Languages and Skills	Python, R, Stan, SQL, Java, PHP English (native), French (advanced), Farsi (proficient) Long distance running (ran 2016 Boston Marathon)	