

Keyon Vafa

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|------------------------|---|-------------|
| Interests | Machine Learning, Data Science, Approximate Bayesian Inference | |
| Education | Columbia University Ph.D. Statistics Advisor: David Blei | 2016 - |
| | Harvard University 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 |
| | Training and Inference for Deep Gaussian Processes Advisor: Alexander Rush | 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 undergraduate thesis. | |
| | Price Discrimination in The Princeton Review's Online SAT Tutoring Service Advisor: Latanya Sweeney | 2015 |
| | Uncovered evidence of geographic-based price discrimination for Princeton Review's online tutoring service. Published in Journal of Technology Science , presented to Federal Trade Commission in Washington D.C., and featured in Propublica and on the Today Show on NBC. | |

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| | Predicting Restaurant Hygiene with Yelp Advisor: Michael Luca | 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 | Data Science Intern, Facebook Queried data with Apache Hive and Presto to model Facebook traveling patterns, city categorizations, and tourist engagement levels. | 2015 |
| | Software Engineering Intern, Facebook As member of Data Science Infrastructure team, created dashboards with relevant statistics for data scientists and implemented historical experiment repository. | 2014 |
| Teaching | Department of Computer Science, Harvard University Teaching Fellow, CS 281: Advanced Machine Learning (graduate level) Professor: Finale Doshi-Velez | 2015 |
| | Teaching Fellow, CS 181: Introduction to Machine Learning Professor: Ryan Adams | 2014 |
| Languages and Skills | Python, R, Stan, SQL, Java, PHP English (native), French (advanced), Farsi (proficient) Long distance running (finished 2016 Boston Marathon) | |