

MARK GOLDSTEIN

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EDUCATION

New York University

Courant Institute of Mathematical Sciences, Computer Science
PhD student. Advisors: Rajesh Ranganath and Thomas Wies

New York, NY
Fall 2018 - Present

Harvard University

School of Engineering and Applied Sciences, Computer Science
Special Student (mix of undergrad and PhD-level coursework)

Cambridge, MA
Spring 2016 - Spring 2018

New England Conservatory of Music

Bachelor of Music in Contemporary Improvisation

Boston, MA
Fall 2011 - Spring 2015

EXPERIENCE

Research Intern, RIKEN, Center for Advanced Intelligence Project
PI: Mohammad Emtiyaz Khan, Approximate Bayesian Inference Team
Research: Proximal Gradient Methods in Variational Inference

Tokyo, Japan
Summer 2019

Research Assistant, MIT, Brain and Cognitive Sciences department
PI: Josh Tenenbaum, Computational Cognitive Science group
Research: Model-based reinforcement learning

Cambridge, MA
Summer 2018

Teaching Fellow, Harvard University, Computer Science department

Cambridge, MA
Spring 2016 - Spring 2018

CS 181: Machine Learning. Professor: Finale Doshi-Velez. Spring 2018.*+

CS 281: Advanced Machine Learning. Professor: Sasha Rush. Fall 2017.*++

CS 121: Introduction to Theoretical Computer Science. Professors: Boaz Barak and Salil Vadhan. Fall 2017.+

CS 181: Machine Learning. Professors: David Parkes and Sasha Rush. Spring 2017.+

CS 61: Systems Programming and Machine Organization. Professors: Margo Seltzer and Eddie Kohler. Fall 2016.+

*Head Teaching Fellow, †Graduate Level, +Harvard Distinction in Teaching Award

Research Assistant, Harvard University, Computer Science department

PI: Margo Seltzer, Systems Research at Harvard

Research: Program synthesis for automatically porting OS code across processor architectures.

Cambridge, MA
Summer 2017

RELEVANT COURSEWORK

NYU MATH-GA.2012-005: Monte Carlo Methods. Professor: Jonathan Weare. Sequential Monte Carlo, Rare Events.

MIT 6.882: Advanced Topics in AI. Professor: Tamara Broderick. Approximate Bayesian Inference and Nonparametrics.

MIT 6.822: Formal Reasoning About Programs. Professor: Adam Chlipala. Automated theorem proving with Coq.

REFERENCES

1. Finale Doshi-Velez, Harvard CS, finale@seas.harvard.edu.
2. Rajesh Ranganath, NYU Courant, rajeshr@cims.nyu.edu