

EDUCATION

New York University

Courant Institute of Mathematical Sciences, Computer Science
PhD Candidate. 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 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

Teaching Assistant, NYU, Computer Science department

New York, NY
Fall 2019 - Spring 2021

- CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Spring 2021.
- CSCI-GA.2572: Deep Learning. Prof: Yann LeCun. Spring 2020.
- CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Fall 2019.

Teaching Fellow, Harvard University, Computer Science department

Cambridge, MA
Spring 2016 - Spring 2021

- CS 181: Machine Learning. Profs: Finale Doshi-Velez and David Parkes. Spring 2021.⁺⁺
- CS 252: Programming Languages and Artificial Intelligence. Prof: Nada Amin. Fall 2020.^{†+}
- CS 181: Machine Learning. Prof: Finale Doshi-Velez. Spring 2018.⁺⁺
- CS 281: Advanced Machine Learning. Prof: Sasha Rush. Fall 2017.^{*†+}
- CS 121: Intro to Theoretical CS. Profs: Boaz Barak and Salil Vadhan. Fall 2017.⁺
- CS 181: Machine Learning. Profs: David Parkes and Sasha Rush. Spring 2017.⁺
- CS 61: Systems Programming and Machine Organization. Profs: Margo Seltzer and Eddie Kohler. Fall 2016.⁺

^{*}Head Teaching Fellow, [†]Graduate Level, ⁺Harvard Distinction in Teaching Award

Machine Learning Research Intern, Apple, Health AI

Supervisor: Andy Miller

Remote
Summer 2021

Research Intern, RIKEN, Center for Advanced Intelligence Project

PI: Mohammad Emtiyaz Khan, Approximate Bayesian Inference Team

Tokyo, Japan
Summer 2019

Research Assistant, MIT, Brain and Cognitive Sciences department

PI: Josh Tenenbaum, Computational Cognitive Science group

Cambridge, MA
Summer 2018

PUBLICATIONS

Mark Goldstein, Jörn-Henrik Jacobsen, Olinia Chau, Adriel Saporta, Aahlad Puli, Rajesh Ranganath, Andrew C. Miller. Learning Invariant Representations with Missing Data. DistShift Workshop @ NeurIPS 2021.

Mark Goldstein, **Xintian Han**, Aahlad Manas Puli, Thomas Wies, Adler J. Perotte, Rajesh Ranganath. Inverse-Weighted Survival Games. Conference paper @ NeurIPS 2021.

Lily H. Zhang, Mark Goldstein, Rajesh Ranganath. Understanding Failures in Out-of-Distribution Detection with Deep Generative Models . Conference paper @ ICML 2021.

Lily H. Zhang, Mark Goldstein, Rajesh Ranganath. Understanding Out-of-Distribution Detection with Deep Generative Models. RobustML Workshop @ ICLR 2021.

Mark Goldstein, Xintian Han, Aahlad Manas Puli, Adler J. Perotte, Rajesh Ranganath. X-CAL: Explicit Calibration for Survival Analysis. Conference paper @ NeurIPS 2020.

MISC

Coding Experience: Python (e.g. modeling/inference in PyTorch) and LEAN (type theory and theorem proving).

Languages: English (native) and Russian (native). Arabic (beginner)

REFERENCES

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