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EDUCATION

New York University — New York, NY
Courant Institute of Mathematical Sciences, Computer Science — Fall 2018 - Present
PhD Candidate. Advisors: Rajesh Ranganath and Thomas Wies

Harvard University — Cambridge, MA
School of Engineering and Applied Sciences, Computer Science — Spring 2016 - Spring 2018
Special Student (mix of undergrad and PhD coursework)

New England Conservatory of Music — Boston, MA
Bachelor of Music in Contemporary Improvisation — Fall 2011 - Spring 2015

EXPERIENCE

Non-traditional Volunteer, NYU Langone, Population Health department — New York, NY
Spring 2020 - Present

Machine Learning Research Intern, Apple, Health AI — Remote
Supervisor: Andy Miller, Joe Futoma — Summer 2021 - Present

Teaching Assistant, NYU, Computer Science department — New York, NY
Fall 2019 - Spring 2022

- CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Spring 2022.
- 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.$^{\star +}$
- CS 252: Programming Languages and Artificial Intelligence. Prof: Nada Amin. Fall 2020.$^{\dagger +}$
- CS 181: Machine Learning. Prof: Finale Doshi-Velez. Spring 2018.$^{\star +}$
- CS 281: Advanced Machine Learning. Prof: Sasha Rush. Fall 2017.$^{\star \dagger +}$
- 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

Research Intern, RIKEN, Center for Advanced Intelligence Project — Tokyo, Japan
PI: Mohammad Emtiyaz Khan, Approximate Bayesian Inference Team — Summer 2019

Research Assistant, MIT, Brain and Cognitive Sciences department — Cambridge, MA
PI: Josh Tenenbaum, Computational Cognitive Science group — Summer 2018

PUBLICATIONS

Xintian Han, Mark Goldstein, Rajesh Ranganath. Survival Mixture Density Networks. Machine Learning for Healthcare Conference. PMLR, 2022.

Mark Goldstein, Jörn-Henrik Jacobsen, Olina Chau, Adriel Saporta, Aahlad Puli, Rajesh Ranganath, Andrew C. Miller. Learning Invariant Representations with Missing Data (full version). Conference paper @ CLeaR (Causal Learning and

Reasoning) 2022.

Mark Goldstein, Jörn-Henrik Jacobsen, Olina 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)

REVIEWING

NeurIPS 2021, AISTATS 2022, ICML 2022

REFERENCES

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