

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

Non-traditional Volunteer, NYU Langone, Population Health department

New York, NY
Spring 2020 - Present

Machine Learning Research Intern, Apple, Health AI

Supervisor: Andy Miller, Joe Futoma

New York, NY
Summer 2021 - Summer 2022

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.^{*+}
- 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

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

WORKSHOP ORGANIZATION

[Workshop on Spurious Correlations, Invariance, and Stability @ ICML 2022.](#)

PUBLICATIONS

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

Mark Goldstein, Jörn-Henrik Jacobsen, Olinia 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, 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.

Thomas Pasquier, Xueyuan Han, Mark Goldstein, Thomas Moyer, David Eysers, Margo Seltzer, Jean Bacon. Practical Whole-System Provenance Capture. Proceedings of the ACM Symposium on Cloud Computing (SoCC) 2017.

Xueyuan Han, Thomas Pasquier, Tanvi Ranjan, Mark Goldstein, Margo Seltzer. FRAPPuccino: Fault-detection through Runtime Analysis of Provenance. HotCloud Workshop @ USENIX ATC 2017.

Thomas Pasquier, Xueyuan Han, Mark Goldstein, Margo Seltzer, David Eysers, Jean Bacon. *Practical Provenance Capture in the Linux Operating System*. Poster at USENIX ATC. 2017.

MISC

Coding Experience: Python (PyTorch, etc).

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

REVIEWING

NeurIPS 2021 (Outstanding Reviewer Award), AISTATS 2022, ICML 2022, NeurIPS 2022

REFERENCES

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