

## EDUCATION

<b>New York University</b> Courant Institute of Mathematical Sciences, Computer Science PhD Candidate. Advisors: Rajesh Ranganath and Thomas Wies	New York, NY Fall 2018 - Present
<b>Harvard University</b> School of Engineering and Applied Sciences, Computer Science Special Student (mix of undergrad and PhD coursework)	Cambridge, MA Spring 2016 - Spring 2018
<b>New England Conservatory of Music</b> Bachelor of Music in Contemporary Improvisation	Boston, MA Fall 2011 - Spring 2015

## EXPERIENCE

<b>Non-traditional Volunteer, NYU Langone</b> , Population Health department	New York, NY Spring 2020 - Present
<b>Machine Learning Research Intern, Apple</b> , Health AI Supervisor: Andy Miller, Joe Futoma	New York, NY Summer 2021 - Summer 2022
<b>Teaching Assistant, NYU</b> , Computer Science department	New York, NY Fall 2019 - Spring 2022
<ul style="list-style-type: none"><li>• CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Spring 2022.</li><li>• CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Spring 2021.</li><li>• CSCI-GA.2572: <a href="#">Deep Learning</a>. Prof: Yann LeCun. Spring 2020.</li><li>• CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Fall 2019.</li></ul>	
<b>Teaching Fellow, Harvard University</b> , Computer Science department	Cambridge, MA Spring 2016 - Spring 2021
<ul style="list-style-type: none"><li>• CS 181: Machine Learning. Profs: Finale Doshi-Velez and David Parkes. Spring 2021.*<sup>+</sup></li><li>• CS 252: Programming Languages and Artificial Intelligence. Prof: Nada Amin. Fall 2020.<sup>†+</sup></li><li>• CS 181: Machine Learning. Prof: Finale Doshi-Velez. Spring 2018.*<sup>+</sup></li><li>• CS 281: Advanced Machine Learning. Prof: Sasha Rush. Fall 2017.*<sup>†+</sup></li><li>• CS 121: Intro to Theoretical CS. Profs: Boaz Barak and Salil Vadhan. Fall 2017.<sup>+</sup></li><li>• CS 181: Machine Learning. Profs: David Parkes and Sasha Rush. Spring 2017.<sup>+</sup></li><li>• CS 61: Systems Programming and Machine Organization. Profs: Margo Seltzer and Eddie Kohler. Fall 2016.<sup>+</sup></li></ul>	

\*Head Teaching Fellow, <sup>†</sup>Graduate Level, <sup>+</sup>Harvard Distinction in Teaching Award

<b>Research Intern, RIKEN</b> , Center for Advanced Intelligence Project PI: Mohammad Emtiyaz Khan, Approximate Bayesian Inference Team	Tokyo, Japan Summer 2019
<b>Research Assistant, MIT</b> , 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; Spurious Correlations, Invariance, and Stability Workshop @ ICML 2022; NeurIPS 2022; AAAI 2023 (upcoming)

## REFERENCES

1. Rajesh Ranganath, NYU Courant, [rajeshr@cims.nyu.edu](mailto:rajeshr@cims.nyu.edu)
2. Finale Doshi-Velez, Harvard CS, [finale@seas.harvard.edu](mailto:finale@seas.harvard.edu).