

EDUCATION

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| 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

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| 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 |
| <ul style="list-style-type: none">• 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 |
| <ul style="list-style-type: none">• 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; Spurious Correlations, Invariance, and Stability Workshop @ ICML 2022; NeurIPS 2022; AAAI 2023 (upcoming); AISTATS 2023 (upcoming);

REFERENCES

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