

## 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>Teaching Assistant, NYU</b> , Computer Science department	New York, NY Fall 2019 - Spring 2021
<ul style="list-style-type: none"><li>• CSCI-GA.2565: Machine Learning. Prof: Rajesh Ranganath. Spring 2021.</li><li>• CSCI-GA.2572: Deep Learning. 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.*</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: Introduction to Theoretical Computer Science. 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>Machine Learning Research Intern, Apple</b> , Health AI Supervisor: Andy Miller	Seattle, WA Summer 2021
<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

## PUBLICATIONS

**Mark Goldstein, Xintian Han**, Aahlad Manas Puli, Thomas Wies, Adler J. Perotte, Rajesh Ranganath. Inverse-Weighted Survival Games. *In submission*.

**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.