

Juan Carlos Perdomo Silva

j.perdomo.silva@nyu.edu | jcperdomo.org

Current Employment	<i>Postdoctoral Fellow</i> , MIT Host: Sendhil Mullanaitan	Fall 2025 -Present
	<i>Assistant Professor of Computer Science and Data Science (Incoming)</i> New York University	Fall 2026-
Education	<i>Postdoctoral Fellow</i> Harvard Center for Research on Computation and Society Host: Cynthia Dwork	2023-2025
	<i>PhD - Electrical Engineering & Computer Science</i> University of California, Berkeley Advisors: Peter Bartlett & Moritz Hardt	2018-2023
	<i>AB - Computer Science & Mathematics</i> Harvard College, <i>magna cum laude with highest honors in field</i>	2013-2017
Honors & Awards	<i>Academic</i> <ul style="list-style-type: none">National Science Foundation Graduate Research FellowshipUC Berkeley EECS Excellence AwardDetur Book Prize Winner, John Harvard Scholar	2018-2021 2018 2014
	<i>International & Olympic Sailing</i> <ul style="list-style-type: none">Member of Emirates Team New Zealand's successful challenge for the 35th edition of the America's Cup in 2016Took semester leave from undergrad to campaign for the Rio 2016 OlympicsRepresented Puerto Rico at the 2015 Toronto Pan American Games2013 Laser Radial ISAF Youth World Champion (1st ever from Puerto Rico)2011 Under 17 & Under 21 Laser Radial World ChampionNorth American, South American, & World Optimist Team Racing Champion with Puerto Rico (2007 & 2008)	
Teaching Experience	Efficient Algorithms and Intractable Problems (UCB CS170) <ul style="list-style-type: none">Teaching assistant under Professors Prasad Raghavendra and John Wright.	Spring 2023
	Statistical Learning Theory (UCB CS281a) <ul style="list-style-type: none">Teaching assistant under Professors Moritz Hardt and Ben Recht.	Fall 2019
	Introduction to Theoretical Computer Science (Harvard CS121) <ul style="list-style-type: none">Fall 2017, Head Teaching Fellow. Assisted Professor Boaz Barak in revamping the syllabus and managed a team of 15+ of course staff.Fall 2015 and 2016, Teaching Fellow. Assisted Professor Harry Lewis.	Fall 2015-17

Research Publications

Asterisks denote equal contribution or alphabetical ordering. Also see [Google Scholar](#).

- Juan C. Perdomo*, Benjamin Recht*. “In Defense of Defensive Forecasting.” *preprint*, 2025
- Cynthia Dwork*, Chris Hays*, Lunjia Hu*, Nicole Immorlica*, Juan C. Perdomo*. “Reducing Inequality in Professional Networks through Welfare-Aligned Link Recommendations.” *under review*, 2025
- Juan C. Perdomo. “Revisiting the Predictability of Performative, Social Events”. *International Conference on Machine Learning*, 2025
- Unai Fischer-Abaigar, Cristoph Kern, Juan C. Perdomo. “The Value of Prediction in Identifying the Worst-Off”. *International Conference on Machine Learning*, 2025
- Cynthia Dwork*, Chris Hays*, Nicole Immorlica*, Juan C. Perdomo*, and Pranay Tankala*. “From Fairness to Infinity: Outcome Indistinguishable (Omni) Prediction in Evolving Graphs.” *Conference on Learning Theory*, 2025
- Juan C. Perdomo, Tolani Britton, Moritz Hardt, and Rediet Abebe. “Difficult Lessons on Social Prediction from Wisconsin Public Schools”. *ACM Conference on Fairness, Accountability, and Transparency*, 2025
- Joshua P. Gardner, Juan C. Perdomo, and Ludwig Schmidt. “Large Scale Transfer Learning for Tabular Data via Language Modeling”. *Advances in Neural Information Processing Systems*, 2024
- Gavin Brown*, Jonathan Hayase*, Sam Hopkins*, Weihao Kong*, Xiyang Liu*, Seewong Oh*, Juan C. Perdomo*, and Adam Smith*. “Insufficient Statistics Perturbation: Stable Estimators for Private Least Squares”. *Conference on Learning Theory*, 2024
- Juan C. Perdomo. “The Relative Value of Prediction in Algorithmic Decision Making” *International Conference on Machine Learning*, 2024
- Michael P. Kim* and Juan C. Perdomo*. “Making Decisions under Outcome Performativity”. *Innovations in Theoretical Computer Science*, 2023
- Juan C. Perdomo, Akshay Krishnamurthy, Peter Bartlett, and Sham Kakade. “A Complete Characterization of Linear Estimators for Offline Policy Evaluation”. *Journal of Machine Learning Research*, 2023
- Jack Umenberger, Max Simchowitz, Juan C. Perdomo, Kaiqing Zhang, and Russ Tedrake. “Globally Convergent Policy Search for Output Estimation”. *Neural Information Processing Systems*, 2022
- Juan C. Perdomo, Jack Umenberger, and Max Simchowitz. “Stabilizing Dynamical Systems via Policy Gradient Methods”. *Neural Information Processing Systems*, 2021
- Juan C. Perdomo, Max Simchowitz, Alekh Agarwal, and Peter Bartlett. “Towards a Dimension-Free Understanding of Adaptive Linear Control”. *Conference on Learning Theory*, 2021
- John Miller*, Juan C. Perdomo*, and Tijana Zrnic*. “Outside the Echo Chamber: Optimizing the Performative Risk”. *International Conference on Machine Learning*, 2021
- Celestine Mendler-Dunner*, Juan C. Perdomo*, Tijana Zrnic*, and Moritz Hardt. “Stochastic Optimization for Performative Prediction”. *Neural Information Processing Systems*, 2020

- Juan C. Perdomo*, Tijana Zrnic*, Celestine Mendler-Dunner, and Moritz Hardt. “Performative Prediction”. *International Conference on Machine Learning, 2020*

Visitors Hosted

- Unai Fischer-Abaigar, visiting from LMU Fall 2024

Masters Thesis Supervised

- Peihan Liu, Harvard, *Multicalibration and Loss Minimization* 2023-2024

Personal Information

- Born and raised in San Juan, Puerto Rico
- Fluent in English and Spanish