

Dylan Altschuler

251 Mercer Street,
New York, NY, 10009

da2370@nyu.edu
972-795-4098

EDUCATION

NYU: Courant Institute of Mathematical Sciences Ph.D., Mathematics (expected) Thesis Advisor: Jonathan Niles-Weed	Jun. 2023
Princeton University B.S., Mathematics (cum laude) Thesis Advisor: Allan Sly GPA: 3.9, Departmental GPA: 3.9	Jun. 2018

HONORS

Academic Awards (undergrad): Phi Beta Kappa, Sigma Xi
Academic Awards (grad): NSF Graduate Research Fellowship, NYU MacCracken Fellowship

PUBLICATIONS

1. **D. Altschuler** and J. Niles-Weed (2021). “Discrepancy of Random Rectangular Matrices,” *Random Structures and Algorithms (RSA)*.
2. J. Bramburger, **D. Altschuler**, C Avery, T. Sangsawang, M. Beck, P. Carter, and B. Sandstede (2019). “Localized radial roll patterns in higher space dimensions,” *SIAM Journal on Applied Dynamical Systems (SIADS)*.
3. M. Langen, E. Agi, **D. Altschuler**, L. Wu, S. Altschuler, and P. Hiesinger (2015). “The developmental rules of neural superposition in *Drosophila*,” *Cell*.
4. **D. Altschuler**, S. Altschuler, S. Angenent, and L. Wu (2013). “The zoo of solitons for curve shortening in \mathbb{R}^n ,” *Nonlinearity*.

PREPRINTS

1. **D. Altschuler** (2022). “Critical Window of the Symmetric Perceptron,” *ArXiv* (<https://arxiv.org/abs/2101.04036>).
2. **D. Altschuler** and A. Sly (2018). “Critical Long Range Percolation: Scaling Limits for Small β ,” *manuscript in preparation* (<http://arks.princeton.edu/ark:/88435/dsp01x346d693k>)

INVITED TALKS

- UC Davis - Probability Seminar - upcoming
- ETH Zurich - Discrepancy Theory Seminar - 6/22
- Simons Institute at UC Berkeley - Computational Complexity of Statistical Inference Seminar - 11/21
- NYU - Graduate Student and Postdoc Probability Seminar - 3/21
- NYU - Graduate Student and Postdoc Probability Seminar - 11/20
- ETH Zurich - Math and Data Science - 11/20