

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): inducted to Phi Beta Kappa and Sigma Xi
Academic Awards (grad): NSF Graduate Research Fellowship, NYU McCracken Fellowship

PUBLICATIONS

1. **D. Altschuler** and J. Niles-Weed. "Discrepancy of Random Rectangular Matrices" (2021), *Random Structures and Algorithms*
2. J. Bramburger, **D. Altschuler**, C Avery, T. Sangsawang, M. Beck, P. Carter, and B. Sandstedt. "Localized radial roll patterns in higher space dimensions." *SIAM Journal on Applied Dynamical Systems* 18.3 (2019): 1420-1453.
3. M. Langen, E. Agi, **D. Altschuler**, L. Wu, S. Altschuler, and P. Hiesenger. "The developmental rules of neural superposition in *Drosophila*." *Cell* 162.1 (2015): 120-133.
4. **D. Altschuler**, S. Altschuler, S. Angenent, and L. Wu. The zoo of solitons for curve shortening in R^n . *Nonlinearity* 26.5 (2013): 1189.

PREPRINTS

1. **D. Altschuler**. "Critical Window of the Symmetric Perceptron" (2022), <https://arxiv.org/abs/2101.04036>
2. 1420-1453. **D. Altschuler** and A. Sly. "Critical Long Range Percolation: Scaling Limits for Small β " (2018). <http://arks.princeton.edu/ark:/88435/dsp01x346d693k>

INVITED TALKS

- 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