Dylan Altschuler

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EDUCATION & AWARDS

NYU: Courant Institute of Mathematical Sciences   May 2023
Ph.D., Mathematics (expected)
Thesis Advisor: Jonathan Niles-Weed

Princeton University   May 2018
B.S., Mathematics
Thesis Advisor: Allan Sly
GPA: 3.9, Departmental GPA: 3.9

LONG-TERM VISITS

ETH Zurich   Summer 2022
Hosted by Afonso Bandeira

Simons Institute at UC Berkeley   Winter 2021
Semester on Computational Complexity of Statistical Inference

ACADEMIC AWARDS

NSF Graduate Research Fellowship
NYU MacCracken Fellowship
Phi Beta Kappa
Sigma Xi

PREPRINTS

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

PUBLICATIONS

1. **D.J. Altschuler** and J. Niles-Weed (2021). "Discrepancy of Random Rectangular Matrices," *Random Structures and Algorithms (RSA)*.
2. J. Bramburger, **D.J. 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.J. Altschuler**, L. Wu, S. Altschuler, and P. Hiesenger (2015). "The developmental rules of neural superposition in Drosophila," *Cell*.
4. **D.J. Altschuler**, S. Altschuler, S. Angenent, and L. Wu (2013). "The zoo of solitons for curve shortening in R^n," *Nonlinearity*.

INVITED TALKS

- UIC - Probability Seminar - 11/22 (upcoming)
- UC Davis - Probability Seminar - 9/22
- 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