Curriculum Vitae: Joseph Chen

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EDUCATION

Courant Institute of Mathematical Sciences (NYU)   *Aug. 2020 - May 2025*
Ph.D, Mathematics
Advised by Eyal Lubetzky

University of California, Berkeley   *Aug. 2016 - May 2020*
Bachelor of Arts, Mathematics (Highest Honors)

PUBLICATIONS

1. **The limiting law of the Discrete Gaussian level-lines**, with E. Lubetzky, Preprint. (arXiv)

2. **Logarithmic delocalization of low temperature 3D Ising and Potts interfaces above a hard floor**, with R. Gheissari and E. Lubetzky, Transactions of the American Mathematical Society, to appear. (arXiv)

3. **Critical wetting in the (2+1)D Solid-On-Solid model**, with R. Gheissari and E. Lubetzky, Electronic Communications in Probability 29 (2024), paper no. 59, 1-12 pp. (Link)

4. **Extrema of 3D Potts interfaces**, with E. Lubetzky, Communications in Mathematical Physics 405 (2024), no. 3, paper no. 86, 81 pp. (Link)

TALKS

- BIRS Workshop: Frontiers of Statistical Mechanics and Theoretical Computer Science, mini-talk (Aug. 2024)
- Northwestern Probability Seminar (Apr. 2024)
- Courant Student Probability Seminar (Feb. 2023, Oct. 2023, Oct. 2024)

AWARDS

- **Henry M. MacCracken Fellowship**, *New York University (2020-25)*: Full Ph.D. support at NYU
- **Dorothea Klumpke Roberts Prize in Mathematics**, *UC Berkeley (2020)*: "Awarded to seniors who have demonstrated truly exceptional scholarship in mathematics"

- **Highest Distinction in General Scholarship**, *UC Berkeley (2020)*: Equiv. Summa Cum Laude

TEACHING/WORK EXPERIENCE

- **Adjunct Instructor**, *Courant Institute, NY*
  - MATH-UA.140 (Linear Algebra)   *Summer 2025*
  Instructor for the summer class for Linear Algebra, consisting of ~35 students. Prepared class syllabus, lecture content, homeworks, and exams.
- **Teaching Assistant**, *Courant Institute, NY*
  - MATH-UA.233 (Theory Of Probability)   *Spring 2023*
  - MATH-UA.140 (Linear Algebra)   *Fall 2024*
  Taught weekly recitations and graded exams for ~70 students per class in coordination with other TA's.
- **Private Tutor**
  - AP Calculus BC   *Summer 2020*
  - Descriptive and Inferential Statistics   *Summer, Fall 2020*
  Met weekly to work on practice problems together and explain challenging concepts.
- **Intern at CK-12 Foundation**   *Summer 2017*
  Produced interactive figures and lessons for online geometry, calculus, and statistics textbooks, found [here](.).

OTHER

U.S. Citizenship
Programming: Python, Java, Matlab
Languages: English (native), Chinese (fluent)