Christian Serio

CONTACT INFORMATION	Department of Mathematics 450 Jane Stanford Way Building 380, 381D Stanford, CA 94305	cdserio@stanford.edu
WEBSITE	https://cdserio.github.io	
MATHEMATICAL INTERESTS	Probability theory and mathematical/statistical physics: scaling limits, universality, Gibbs measures, line ensembles, random polymers, spin systems.	
EDUCATION	Stanford University (2021–present PhD Candidate in Mathematics Advisor: Amir Dembo Columbia University (2017–2021))
	BA in Mathematics with Honors,	summa cum laude, Phi Beta Kappa
PUBLICATIONS AND PREPRINTS	 M. Hegde and Y. H. Kim. Submit □ "Convergence to stationary measures. S. Das. Submitted. □ "Uniform convergence of Dyson Fewith E. Dimitrov. Ann. Inst. H. Inst. H.	a random walk model of SOS level lines," with ted. res for the half-space log-gamma polymer," with rrari-Spohn diffusions to the Airy line ensemble," Poincaré Probab. Statist. 61(1): 385-402 (2025). f random walks with geometric area tilts." Electe ensembles." Stoch. Process. Their Appl. 159: line ensembles," with E. Dimitrov, X. Fang, L. W. Zhu. November 2021. Electron. J. Probab. 26:
INVITED TALKS	□ Stanford University, Probability S □ Columbia University, Columbia Pr	
FELLOWSHIPS AND AWARDS	2024-present. □ John Dash Van Buren Jr. Prize Awarded to one student for an of Gibbsian line ensembles." □ Van Amringe Mathematical Prize.	California Chapter of the ARCS Foundation. Fall in Mathematics, Columbia College, April 2021. Sutstanding senior thesis, "Tightness of discrete Columbia Mathematics Department, May 2020. Host proficient in their class in designated mathematics."
Academic Programs	sity (Aug 26-28, 2025). Participan Universality & Integrability in KF ticipant.	nd Interacting Particle Systems. Harvard Univert. Z. Columbia University (Mar 11-15, 2024). Par- University of Arizona (Mar 8-11, 2023). Poster

	 Random Media & Large Deviations. Courant Institute (Oct 21-24, 2022). Participant. University of Michigan Summer School on Random Matrices (Jun 13-24, 2022). Participant. Columbia University Mathematics REU, Summer 2020. Participant in Evgeni Dimitrov's "Asymptotics of Bernoulli Gibbsian line ensembles" research group. Columbia University Mathematics REU, Summer 2019. Participant in Kyle Hayden's "Surgery on knots and exotic phenomena in 3- and 4-manifolds" research group.
TEACHING EXPERIENCE	 □ TA at Stanford, MATH 63DM: Modern Mathematics Discrete Methods, Spring 2024 □ CA at Stanford, MATH 151: Intro to Probability Theory, Winter 2024 □ TA at Stanford, MATH 53: Ordinary Differential Equations, Winter 2023 □ CA at Stanford, MATH 136: Stochastic Processes, Fall 2022 □ CA at Stanford, MATH 158: Basic Probability and Stochastic Processes with Engineering Applications, Spring 2022 □ CA at Stanford, MATH 19: Calculus I, Fall 2021 □ TA at Columbia, MATH UN1201: Calculus III, Summer 2020 □ TA at Columbia, MATH GU4061-4062: Intro to Modern Analysis I & II, Spring 2019–Spring 2021
SERVICE	 □ Referee for Annals of Probability, Fall 2024-present. □ Referee for Forum of Mathematics: Sigma, Winter 2024-present. □ Referee for Probability and Mathematical Physics, Winter 2024-present. □ Organizer for Stanford Student Probability Seminar, Fall 2022-Spring 2024. □ Columbia University Mathematics REU, Summer 2021. Graduate student mentor for Carsten Chong's "Hurst index estimation under measurement errors" undergraduate research group.
References	Amir Dembo, Professor, Mathematics Department, Stanford University, adembo@stanford.edu.
	Ivan Corwin, Professor, Mathematics Department, Columbia University, ic2354@columbia.edu.

Evgeni Dimitrov, Assistant Professor, Mathematics Department, University of Southern California, edimitro@usc.edu.