Julian Gold

Email: julian.thomas.gold@gmail.com
Homepage: https://the-ninth-wave.github.io/

Education

Ph.D. in Mathematics	2012 – 2017
University of California, Los Angeles	
Advisor: Marek Biskup	
Thesis: *Isoperimetric shapes in supercritical percolation*	
B.S. with highest honors in Mathematics	2007 – 2012
University of California, Davis	

Employment

NSF MSPRF Postdoctoral Fellow / Boas Assistant Professor	2018 – 2021
Sponsoring scientist: Antonio Auffinger	
Northwestern University	
Department of Mathematics	
RTG Postdoctoral Fellow	2017 – 2018
Northwestern University	
Department of Mathematics	

Research interests

Probability theory: percolation, spin glasses, and applications.

Awards, fellowships and grants

NSF Postdoctoral Research Fellowship DMS-1803622	2018 – 2021
Departmental Teaching Award	2017
UCLA Dissertation Year Fellowship	2016 – 2017
NSF RTG Fellowship	2012 – 2013
UC Davis Outstanding Senior in Mathematics	2012
Phi Beta Kappa	

Conferences, workshops and seminars

Georgia Tech Stochastics Seminar	March 2020
41$^{\text{st}}$ Midwest Probability Colloquium (Northwestern)	October 2019
SPA 2019 (Northwestern)	July 2019
Stochastic Processes, Random Walks and Heat Kernels (U. Conn.)	April 2019
Interacting Particle Systems, Stat. Mech. and Related Topics (IPAM)	March 2019
Rough Landscapes: From Physics to Algorithms (KITP)	January 2019
University of Minnesota Probability Seminar	November 2018

Penn. / Temple Probability Seminar (U. Penn.)	October 2018
40th Midwest Probability Colloquium (Northwestern)	October 2018
Random Walk in Dynamic and Correlated Environments (Texas A&M)	August 2018
Summer School in Probability (Northwestern)	July 2018
Recent Trends in Discrete and Continuous Probability (Georgia Tech)	June 2018
Seminar on Stochastic Processes (Brown University)	May 2018
University of Chicago Probability and Statistical Physics Seminar	February 2018
NYU Probability and Mathematical Physics Seminar	January 2018
Mini-Workshop on Log-Correlated Random Fields (Columbia)	December 2017
Caltech Analysis Seminar	November 2017
Northeast Probability Seminar (Columbia)	November 2017
39th Midwest Probability Colloquium (Northwestern)	October 2017
PIMS Summer School (University of British Columbia)	June 2017
Northwestern Probability Seminar	May 2017
UCLA Probability Seminar	May 2017
USC Probability Seminar	February 2017
Summer School in Probability (Northwestern)	July 2016
Technion Probability Seminar	June 2016
Frontier Probability Days (University of Utah)	May 2016
Random Spatial Processes and Dynamics (Texas A&M)	April 2016
Davis–Warwick Probability Workshop (UC Davis)	December 2015
Stochastic Processes and Random Fields (Technion)	June 2015
Disordered Systems Trimester (Institut Henri-Poincaré)	January 2015 – April 2015
Southern California Probability Symposium (UCLA)	December 2014

Synergistic activities

Co-organizer of the Northwestern probability seminar	Fall 2017 – Spring 2021
Member of rotating committee for the 41st Midwest Probability Colloquium	2019

Teaching

Instructor, NPEP	Winter Quarter, 2020

    Introduction to mathematics

Instructor, Northwestern University	2017 – 2020

    Probability (graduate)
    Probability and statistics
    Calculus

Teaching assistant, UCLA	2013 – 2016

    Analysis (graduate)
    Stochastic processes
    Linear algebra
    Calculus