

ABOUT	<p>Research scientist working at the intersection of machine learning and control theory.</p> <p>Have 10+ years of experience collaborating with small teams to analyze problems, construct solutions, and effectively communicate the results to stakeholders. Excels at synthesizing and distilling complex concepts/scenarios into easily understandable forms and rapidly acquiring new skills and knowledge.</p>
WORK	<p>Yahoo!, Senior Research Scientist, 12/2023 – Present.</p> <p>Yahoo!, Research Scientist, 7/2022 – 12/2023.</p> <ul style="list-style-type: none">• Lead of team responsible for control algorithm for bidding in real-time ad auctions.• Designed and implemented changes leading to a 19% improvement in advertiser ROI.• Rebuilt institutional knowledge of the algorithm's legacy Java code base.• Oversaw implementation for ML-based cold-start prediction of the price control signal.
ACADEMIC HISTORY	<p>University of Illinois Urbana-Champaign, Assistant Professor, 8/2016 – 8/2021.</p> <p>Stanford University, Postdoctoral Fellow, 8/2013 – 8/2016.</p> <p>Institute for Advanced Study, Member, 8/2014 – 8/2015.</p>
ACADEMIC SUMMARY	<p>Published 10 papers (500+ citations) in geometry and probability in top math journals.</p> <p>20+ keynote speeches at international conferences (e.g. Germany, France, UK).</p> <p>20+ research lectures at elite universities (e.g. MIT, Columbia, Berkeley, ETH Zürich).</p> <p>Taught dozens of math courses at the upper undergraduate and graduate level.</p>
EDUCATION	<p>University of Chicago, Ph.D., Mathematics, 2013.</p> <p>National Science Foundation Postdoctoral Research Fellowship</p> <p>Reed College, B.A., Mathematics, 2007.</p> <p>Phi Beta Kappa, Barry M. Goldwater Scholarship</p>
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CITIZENSHIP	USA