Strom Borman   Research Scientist

ABOUT
Research scientist working at the intersection of machine learning and control theory.

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.

WORK
Yahoo!, Research Scientist, 7/2022 – Present.
- Lead a team of scientists responsible for an optimal budget pacing algorithm for bidding in real-time ad auctions.
- Developed, tested, and launching the following improvements to advertiser ROI:
  - Novel seasonality forecasting algorithm resulting in 10% improvement.
  - Redesigned latency protection system resulting in 20% improvement.
- Rebuilt institutional knowledge of the algorithm's legacy Java code base.

ACADEMIC HISTORY
University of Illinois Urbana-Champaign, Assistant Professor, 8/2016 – 8/2021.
Stanford University, Postdoctoral Fellow, 8/2013 – 8/2016.
Institute for Advanced Study, Member, 8/2014 – 8/2015.

ACADEMIC SUMMARY
Published 10 papers (400+ citations) in geometry and probability in top math journals.
20+ keynote speeches at international conferences (e.g. Germany, France, UK).
20+ research lectures at elite universities (e.g. MIT, Columbia, Berkeley, ETH Zürich).
Taught dozens of math courses at the upper undergraduate and graduate level.

EDUCATION
University of Chicago, Ph.D., Mathematics, 2013.
    National Science Foundation Postdoctoral Research Fellowship
Reed College, B.A., Mathematics, 2007.
    Phi Beta Kappa, Barry M. Goldwater Scholarship

CONTACT
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CITIZENSHIP   USA