First Last

Résumé

Education

2017–2022 **Doctoral Student in Operations Research**, *Massachusetts Institute of Technology Operations Research Center*, Advised by Colin Fogarty.

MIT Grade Point Average, *5.00 out of 5.00*.

2013–2017 **BA in Mathematics, Phi Beta Kappa, Magna Cum Laude**, *Bowdoin College*, Brunswick, Maine.

Bowdoin Mathematics Grade Point Average, *3.97 out of 4.00*.

Total Bowdoin Grade Point Average, *3.93 out of 4.00*.

Professional Experience

2017–Present **Graduate Research Assistant**, *Massachusetts Institute of Technology*, Cambridge, Massachusetts.
Under the direction of Professor Fogarty. Research in causal inference for observational studies. Focused on sensitivity analysis and developed test statistics that exhibit optimal robustness to latent variables in multiple-outcome studies. Partially supported by National Physical Sciences Consortium Graduate Fellowship.

Spring of 2018 **Teaching Assistant**, *Massachusetts Institute of Technology*, Cambridge, Massachusetts.
15.075 Statistical Thinking and Data Analysis Teaching assistant for an undergraduate course which aims to provide students with a theoretical understanding of fundamental techniques in data science, including linear regression and hypothesis testing, as well as a toolkit for practical implementation of statistical techniques. Duties: Assisting students, leading recitations, holding office hours, grading midterm and final exams.

Summer of 2016 **Researcher**, *S.M.A.L.L. NSF REU Williams College*, Williamstown, Massachusetts.
Researched random matrix theory, connections of random matrix theory to L-functions, and number theory. Publication in Random Matrices: Theory and Applications.

Summer of 2015 **Researcher**, *Center for Discrete Mathematics and Theoretical Computer Science/ Rutgers University NSF REU*, Piscataway, New Jersey.
Developed heuristics from Hardy-Littlewood method and computationally evaluated accuracy using massive data simulation. Publication in Journal of Number Theory.

Summer of 2014 **Coles Research Fellow**, *Bowdoin College*, Brunswick, Maine.
Developed chromophore excitation model, and designed and implemented computational tools for *in silico* modeling and decomposition of results into Gaussian Mixture Models. Publications in Environ. Science: Processes and Impacts.

Skills

Computation, *R, Python, Mathematica, MATLAB, C++, Microsoft Office Suite*.

Language, *Native: English*.

Street – State – Country

• • • *Citizenship Status: U.S. Citizen*