

Education

Ph.D., Statistics, University of Washington, Seattle. Advisor: *Marina Meila*
B.S., Economics, Minor in Mathematics, University of Washington, Seattle.
Magna Cum Laude, GPA: 3.92, Phi Beta Kappa

2012 – Present
2007 – 2011

Qualifications & Skills

Proficiencies: Python, R, MATLAB, SQL, C, Excel, Statistics, Time Series, Machine Learning, Manifold Learning.

Links: LinkedIn: <https://www.linkedin.com/in/jmcq89>
GitHub: <https://github.com/jmcq89/>
Personal Website: <http://www.stat.washington.edu/people/jmcq>

Actuarial: Exam 1: Probability, Exam 2: Financial Mathematics, Exam 3: Models in Financial Economics.

Work Experience

University of Washington: (September 2012 – Present)

Teaching Assistant: Introduction to Statistics in the Social Sciences (Stat 221); Machine Learning (CSE 446); Coursera UW Machine Learning Specialization.

Research Assistant: Manifold Learning *PI:* Michael Perlman, Marina Meila

Amazon: (June 2015 – September 2015)

Machine Learning Scientist Intern for the personalization analytics group at Amazon looking at A/B testing. Developed a simulation system to evaluate A/B testing methodology used to demonstrate a simultaneous increase in power and decrease in false positive rate by adopting a non-parametric method.

ModeSens: (June 2014 – February 2015)

Lead Machine Learning Developer. Built an online recommendation algorithm for shoes based on streaming user input (c.f. Pandora), built conflation model to check if new items are already in the data base.

Towers Watson: (April 2011 – August 2012)

Actuarial Analyst in Health and Group Benefits, primary work in cost projections and pricing.

Relevant Graduate Course Work

Measure Theory; Statistical Inference I & II; Statistical Computing; Foundations of Machine Learning & Advanced ML; Advanced Statistical Theory I, II & III; Design and Analysis of Experiments; Applied Regression; Stochastic Modeling; Wavelets: Data Analysis, Algorithms, and Theory; Advanced Applied Regression I & II.

Publications

James McQueen et. al., Megaman: Scalable Manifold Learning in Python. *Journal of Machine Learning Research (JMLR)*, 17 (148):1-5, 2016 (<http://jmlr.org/papers/v17/16-109.html>)

James McQueen, Marina Meila, Dominique Perrault-Joncas, Nearly Isometric Embedding by Relaxation, *Advances in Neural Information Processing Systems (NIPS) 2016 (upcoming)*, Cambridge MA: MIT Press

Honors and Awards

UW George and Pearl Corkery Memorial Scholar in Economics 2010: *for academic achievement*

UW Mortar Board Elizabeth Ayers Scholar 2010: *for scholarship, leadership, and service*

UW College of Arts and Sciences Award for Undergraduate Research 2011.

UW Economics Undergraduate Board President

UW Statistics "Top Applicant" Department Fellowship (2012)