

Michael L. Hamilton

Contact Information	119A Mervis Hall Roberto Clemente Dr., Pittsburgh, PA 15260	✉ mhamilton@katz.pitt.edu 🌐 mhamilton-pitt.github.io/
Employment	University of Pittsburgh , Pittsburgh, PA <i>Katz Graduate School of Business</i> Area: <i>Business Analytics and Operations</i> Title: <i>Assistant Professor</i>	Summer 2019 -
Education	Columbia University , New York, NY Ph.D. in Operations Research • Thesis: <i>Pricing Tools and Analysis for Emerging e-Commerce Technologies</i>	Fall 2014 - Spring 2019
	Rutgers University , New Brunswick, NJ B.S. in Mathematics • Minors in Computer Science and Operations Research	Fall 2010 - Spring 2014
Papers	<ol style="list-style-type: none">Chen, N., Elmachoub, A., Hamilton, M., Lei, X., <i>Loot Box Pricing and Design. Management Science</i> (Forthcoming).<ul style="list-style-type: none">Accepted to the 21st ACM Conference on Economics and Computation (EC), 2020Winner, 2019 IBM Best Student Paper Award in Service ScienceInvited to present at the Federal Trade Commission (FTC) Workshop on Consumer Issues Related to Loot Boxes, 2019.Elmachoub, A., Gupta, V., Hamilton, M., <i>The Value of Personalized Pricing. Management Science</i> (Forthcoming).<ul style="list-style-type: none">Accepted to the 15th Conference on Web and Internet Economics (WINE), 2019Finalist, INFORMS Service Science Best Cluster Paper Competition, 2018Elmachoub, A., Hamilton, M., <i>The Power of Opaque Products in Pricing. Management Science</i> (Forthcoming).<ul style="list-style-type: none">Accepted to the 13th Conference on Web and Internet Economics (WINE), 2017	
Previous Papers	<ol style="list-style-type: none">Hoang, P., Hamilton, M., Murray, J., Stafford, C., & Tran, H. <i>A Dynamic Feature Selection Based LDA Approach to Baseball Pitch Prediction</i>. Trends and applications in knowledge discovery and data mining (2015), 125-137.Hamilton, M., Hoang, L. Layne, J. Murray, D. Padget, C. Stafford, & H. Tran. <i>Applying Machine Learning Techniques to Baseball Pitch Prediction</i>. Proc. of the 3rd Int. Conf. on Pattern Recognition Applications and Methods (2014).	
Prior Experience	MediaMath , New York, NY <i>Research Science Intern</i>	Summer 2017
	Amazon Research , Seattle WA. <i>Research Science Intern</i>	Summer 2016

North Carolina State University, Raleigh, NC
Undergraduate Researcher

Summer 2013

Presentations

Notes: (*) symbol implies talk was given by a coauthor. The (C) implies the talk was either cancelled due to Covid-19 or given online.

“Loot Box Pricing and Design”

- ACM EC Conference 2020, Remote Conference. (C*) July 2020
- POMS Annual Conference 2020, Minneapolis MN. (C) May 2020
- INFORMS Annual Conference 2019, Seattle WA. (*) Oct. 2019
- Federal Trade Commission (FTC) Workshop on Consumer Issues, Washington D.C. (*) Sept. 2019

“The Value of Personalized Pricing”

- WINE Conference 2019, New York NY. Dec. 2019
- MSOM Conference 2018, Dallas TX. July 2018
- RMP Section Conference 2018, Toronto CN. (*) June 2018
- POMS Annual Conference 2018, Houston TX. May 2018
- INFORMS Annual Meeting 2019, Seattle WA. Oct. 2019
- INFORMS Annual Meeting 2018, Phoenix AZ. Oct. 2018
- INFORMS Annual Meeting 2017, Houston TX. Oct. 2017

“The Power of Opaque Products in Pricing”

- UCLA, Anderson School of Management, Los Angeles, CA. Feb. 2019
- University of Pittsburgh, Katz Graduate School of Business, PA. Jan. 2019
- WINE Conference 2017, IIS, Bangalore, India. Dec. 2017
- MSOM Conference 2017, UNC, Chapel Hill NC. June 2017
- POMS Annual Conference 2017, Seattle WA. May 2017
- INFORMS Annual Meeting 2018, Phoenix AZ. Oct. 2018
- INFORMS Annual Meeting 2016, Nashville TN. Nov. 2016
- RMP Section Conference 2016, NYU, New York NY. June 2016

“Applying Machine Learning Techniques to Baseball Pitch Prediction”

- JMM, MAA Undergraduate Student Poster Session Jan. 2014
Outstanding Presentation Winner

**Teaching
Experience**

University of Pittsburgh, Pittsburgh, PA
Instructor

- BUSQOM 1080 Data Analysis for Business Fall 2019, 2020

Columbia University, New York, NY
Teaching Assistant

- IEOR 4111 Operations Consulting. Fall 2017 - Spring 2018
- IEOR 8100 Learning and Optimization. Spring 2016

- IEOR 4004 Optimization Models & Methods. Fall 2015, Fall 2016
- IEOR 4106 Stochastic Models. Spring 2015

Rutgers University, New Brunswick, NJ

Recitation Mentor/Grader

- CS 111, Introduction to Computer Science. Spring 2013 - Spring 2014
- MATH 151/152, Calculus I & II Fall 2012 - Fall 2014

**Honors &
Awards**

Winner, IBM Best Student Paper Award in Service Science (to *Xiao Lei*) 2019
Finalist, Service Science Best Cluster Paper Competition 2018
 High Honors in Mathematics, Rutgers University 2014
 Weill Scholarship 2013 - 2014
 SAS Excellence Award, The Harry J. Riskin Scholarship 2012 - 2014
 Scarlet Scholarship 2010 - 2014
 Dean's Scholarship 2010 - 2014
 Rutgers Mathematics Honors Track 2013 - 2014
 Rutgers School of Arts and Sciences Honors Program 2010 - 2014

**University
Service**

Journal reviewer for *IIE Transactions*, *Naval Research Logistics*, *Management Science*, *Production and Operations Management*.
 Conference reviewer for *ACM Economics and Computation (EC)* (2020).
 Faculty Mentor for *ACM Economics and Computation (EC)* (2020).
 2018 Academic Job Market Panel Organizer (Columbia)
 2017 IEOR-DRO Seminar Student Organizer (Columbia)

Misc.

Languages: *Python*, *R*, *Julia*, *Matlab*, *Java*, *LaTeX*
 Volunteering: *School 2 Career (S2C) Tutor*
 Citizenship: *USA*
 References available by request.