Michael L. Hamilton

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Employment	**University of Pittsburgh**, Pittsburgh, PA	Summer 2019 -
	Katz Graduate School of Business	
	Area: *Business Analytics and Operations*	
	Assistant Professor	

Education	**Columbia University**, New York, NY	Fall 2014 - Spring 2019

Department of Industrial Engineering and Operations Research
Ph.D. in Operations Research
- Advisor: Adam N. Elmachtoub
- Thesis: *Pricing Tools and Analysis for Emerging e-Commerce Technologies*

Rutgers University, New Brunswick, NJ	Fall 2010 - Spring 2014

B.S. in Mathematics
- Minors in Computer Science and Operations Research

Papers

1. Chen, N., Elmachtoub, A., Hamilton, M., Lei, X., *Loot Box Pricing and Design.* Major Revision at **Management Science**.
   - Accepted to the 21st ACM Conference on Economics and Computation (**EC**), 2020
   - Winner, 2019 IBM Best Student Paper Award in Service Science
   - Invited to present at the Federal Trade Commission (FTC) Workshop on Consumer Issues Related to Loot Boxes, 2019.

2. Elmachtoub, A., Gupta, V., Hamilton, M., *The Value of Personalized Pricing.* Minor Revision at **Management Science**.
   - Accepted to the 15th Conference on Web and Internet Economics (**WINE**), 2019
   - Finalist, INFORMS Service Science Best Cluster Paper Competition, 2018

3. Elmachtoub, A., Hamilton, M., *The Power of Opaque Products in Pricing.* Minor Revision at **Management Science**.
   - Accepted to the 13th Conference on Web and Internet Economics (**WINE**), 2017

Previous Papers

Hoang, P., **Hamilton, M.**, Murray, J., Stafford, C., & Tran, H. *A Dynamic Feature Selection Based LDA Approach to Baseball Pitch Prediction.* 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. *Applying Machine Learning Techniques to Baseball Pitch Prediction.* Proc. of the 3rd Int. Conf. on Pattern Recognition Applications and Methods (2014).

Professional Experience	**MediaMath**, New York, NY	Summer 2017
	Research Science Intern	
	Amazon Research, Seattle WA.	Summer 2016
	Research Science Intern	

North Carolina State University, Raleigh, NC　　　　　Summer 2013
　　Undergraduate Researcher

Presentations　　Notes: (*) symbol implies talk was given by a coauthor in a conference without proceedings. The (C) implies the talk was 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
	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
	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	2018 Academic Job Market Panel Organizer (Columbia)
	2017 IEOR-DRO Seminar Student Organizer (Columbia)
	Journal reviewer for *IISE Transactions*.
	Conference reviewer for *ACM Economics and Computation (EC)* (2020).

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