

## Arielle E. Anderer

### Contact:

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### Academic Position:

**Cornell University**, SC Johnson College of Business, Ithaca, NY  
Operations, Technology, and Information Management, 2023-present

### Education:

**The University of Pennsylvania**, The Wharton School, Philadelphia, PA  
PhD in Operations Management, May 2023

**Cornell University**, College of Engineering, Ithaca, NY  
Bachelor of Science *magna cum laude* in Operations Research, May 2018

### Research Interests:

Healthcare Operations Management  
Healthcare Analytics  
Adaptive Learning Algorithms  
Multi-Armed Bandits & Machine Learning  
Data-driven policy evaluation

### Published Papers:

- **Adaptive Clinical Trial Designs with Surrogates: When Should We Bother?**  
(with Hamsa Bastani and John Silberholz)  
*1<sup>st</sup> Place*, Pierskalla Award for Best Paper in Healthcare (2019)  
*1<sup>st</sup> Place*, MSOM Student Paper Competition (2019)  
*Finalist*, Public Sector Operations Research Best Paper Award (2019)  
Management Science 2022

### Working Papers:

- **Online Learning with Survival Data**  
(with Hamsa Bastani and John Silberholz)  
Under Review, Manufacturing & Systems Operations Management (MSOM)
- **How to Choose Among Technologies with Learning Curves: Making Better Investment Decisions**  
(with Christian Kaps)  
Under Review, Operations Research

### Honors & Awards:

- **Bonder Scholarship**, 1<sup>st</sup> place November 2020
- **MSOM Student Paper Competition**, 1<sup>st</sup> place November 2020
- **Public Sector Operations Research Best Paper Award**, finalist November 2020
- **Pierskalla Award for Best Paper in Healthcare**, 1<sup>st</sup> place October 2019
- **Omega Rho Honor Society**, Cornell ORIE Department April 2018
- **Tau Beta Pi**, Cornell University March 2017

## Teaching:

- **Cornell University, S.C. Johnson College of Business OTIM** August 2023- present  
**Johnson MBA Program Professor**, Data Analytics and Modeling  
Taught the Core MBA statistics and data analytics course. Introduced students to topics such as data visualization, probability, hypothesis testing, regression, and machine learning.
- **Dyson Undergraduate Program Professor**, Intro to Business Statistics  
Taught an elective on utilizing statistics and data analytics to solve real world problems. Students learn how to gather data, evaluate the quality of data, graphically represent data, and apply some fundamental statistical methodologies such as hypothesis testing, regression, and machine learning.
- **University of Pennsylvania, Wharton OID Department** August 2019- May 2023  
**MBA Program Teaching Assistant**, Analytics for Revenue Management (OID 643), Spring 2023  
Held office hours, answered student emails, checked and graded homework and exams.
- **MBA Program Teaching Assistant**, Ops Management: Quality and Productivity (OID 611), Fall 2021  
Moderated cases, answered student emails, checked, organized and graded homework and exams.
- **MBA Program Teaching Assistant**, Operations Strategy (OID 615), Fall 2021  
Held office hours, answered student emails, wrote answer keys for and graded homework and exams.
- **Executive MBA Program Teaching Assistant**, Operations Strategy (OID 615), Summer 2021  
Held office hours, answered student emails, wrote answer keys for and graded homework and exams.
- **Undergraduate Program Teaching Assistant**, Intro to Management Science (OID 321), Fall 2019/Fall 2020/Spring 2023  
Held office hours, wrote exams and new cases, advised students on final project topics, and graded final projects.
- **Cornell University Department of Operations Research** January 2017- May 2018  
**Undergraduate/Masters Program Teaching Assistant**, Optimization II (ORIE 3310/5310), Spring 2017  
Held office hours and graded homework and exams.
- **Cornell University Department of Computer Science** August 2015- December 2017  
**Consultant**, Introduction to Computing Using Python (CS 1110), Fall 2015/Spring 2016/Fall 2016/Spring 2017  
Answered student questions on course material in office hours, during lab sessions, and via Piazza, and graded assignments and exams.
- **Teaching Assistant**, Introduction to Computing Using Python (CS 1110), Fall 2017  
Ran student lab sessions. Answered student questions on course material, graded assignments and exams
- **Cornell Engineering Learning Initiatives** Ithaca, NY August 2015- December 2016  
**Course Assistant**, Introduction to Multivariable Calculus (MATH 1920), Fall 2015/ Spring 2015/ Fall 2016  
Helped run workshops in recitation to help students connect course material to real life applications.

## Employment:

- **University of Pennsylvania Center for Health Incentives and Behavioral Economics** June 2017- September 2017  
**Undergraduate Research Assistant**  
Worked with Christian Terwiesch, Kevin Volpp, and Kristin Linn on analyzing medication adherence data from patients after admission to hospitals for myocardial infarctions to discover readmissions patterns
- **Cornell University Department of Operations Research** February 2016- December 2016  
**Undergraduate Research Assistant**  
Worked with Professor Shane Henderson to create and maintain a repository of simulation optimization problems and algorithms (simopt.org) as well as to analyze the results of running different algorithms on different problems

- **Comcast Philadelphia, PA Intern** May 2015- August 2015  
Worked in the Engineering Analysis Department, helping with Data visualization and analysis as well as some forecasting for their Video on Demand and High Speed Data Networks. Also spent time working with Benjamin's Desk, a co-working space in Philadelphia, through one of Comcast's startup partnerships.

#### Invited Talks:

- **2024:** Computing Community Consortium AI/OR Workshop III, University of Rochester OM
- **2023:** Dartmouth Tuck OM, HBS TOM, Minnesota ISyE, U Toronto Rotman Young Scholar Seminar, MIT Data Science Lab, Eastern Great Lakes Analytics Conference
- **2022:** Tilburg University SCM Research Seminar, UBC Sauder Operations & Logistics, UNC Kenan-Flagler Operations, London Business School Management Science & Operations, CMU Tepper OM, Cornell Johnson OTIM, BC Carroll Business Analytics, Northwestern Kellogg OM, MIT Sloan OM
- **2021:** Carnegie Mellon University YinzOR Student Conference

#### Service:

- Member, Bonder Scholarship Award Committee 2024
- Judge, Pierskalla Award for Best Paper in Healthcare 2021 - 2024
- Judge, Public Service Operations Research Best Paper Award 2024
- Reviewer, Conference on Equity and Access in Algorithms, Mechanisms, and Optimization 2022
- Judge, Pennsylvania Technology Student Association State Conference 2021, 2022
- Organizer, Wharton Operations, Information & Decisions PhD Seminar Series 2020 - 2022
- Co-chair, Pierskalla Award for Best Paper in Healthcare 2020