

## Arielle E. Anderer

### Contact:

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### Education:

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

**Cornell University**, College of Engineering, Ithaca, NY  
Bachelor of Science *magna cum laude* in Operations Research, May 2018  
Dean's List Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017

### Research Interests:

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

### Published:

- **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 Randomized Neural Networks**  
(with Hamsa Bastani and Divya Singhvi)
- **Survival Bandits**  
(with Hamsa Bastani and John Silberholz)

### 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:

- **University of Pennsylvania, Wharton OID Department** August 2019- present  
**MBA Program Teaching Assistant**, Analytics for Revenue Management (OID 643), Fall 2021  
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  
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.
  - **Undergraduate Program Teaching Assistant**, Engineering Applications of Operations Research (ENGRI 1101), Fall 2017/Spring 2018  
Held office hours, graded homework and exams, and ran the weekly lab covering applications of material.
  - **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 in office hours, during lab sessions, and via Piazza, and 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** May 2015- August 2015  
**Intern**  
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:

- Tilburg University SCM Research Seminar June 2022
- Carnegie Mellon University YinzOR Student Conference August 2021

**Service:**

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