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 in Operations Research, May 2018
> GPA: 3.95, Dean's List Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2018

Research Interests:
> Healthcare Operations Management
> Healthcare Analytics
> Multi-Armed Bandits & Machine Learning
> Data-driven policy evaluation

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

Working Papers:
- **Learning Personalized Treatment Policies with Unstructured Data**
  (with Hamsa Bastani)

Teaching:
- **University of Pennsylvania, Wharton OID Department**   August 2019- present
  Graduate TA, Introduction to Management Science (OID 321), 2019 & 2020
  Undergraduate Teaching Assistant, Optimization II (ORIE 3310)
  Held office hours, wrote exams and two new cases, advised students on final project topics, and graded final projects.
- **Cornell University Department of Operations Research**   January 2017- May 2018
  Undergraduate TA, Optimization II (ORIE 3310), 2017
  Undergraduate TA, Engineering Applications of Operations Research (ENGRI 1101), 2017 & 2018
  Held office hours and graded homework and exams for ORIE 3310, Optimization II and for ENGRI 1101, Engineering Applications of Operations Research. Additionally, ran the weekly lab covering applications of material for ENGRI 1101
- **Cornell University Department of Computer Science**   August 2015- December 2017
  Consultant, Introduction to Computing Using Python (CS 1110)
  Works assisting students who have questions on course material and grading assignments and exams.
- **Cornell Engineering Learning Initiatives** Ithaca, NY   August 2015- December 2016
  Math 1920 Course Assistant
  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.

Languages and Skills:

Programming languages - Python, Java, Matlab, R, SQL, AMPL, HTML
Proficient in – LaTeX, Microsoft Office, Tableau, Simio, Knime, Spotfire

Honors & Awards:

• **Bonder Scholarship,** 1st place	November 2020
• **MSOM Student Paper Competition,** 1st place	November 2020
• **Public Sector Operations Research Best Paper Award,** finalist	November 2020
• **Pierskalla Award for Best Paper in Healthcare,** 1st place	October 2019