

Morgan Wood

CONTACT INFORMATION

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University of North Carolina
Chapel Hill, NC 27599

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RESEARCH INTERESTS

Stochastic Modeling & Analysis, Service Operations
Parametric Learning, Decision Making under Uncertainty, Revenue Management, Forecasting

EDUCATION

University of North Carolina at Chapel Hill, Chapel Hill, NC
Ph.D. in Statistics and Operations Research (STOR) Expected May 2025
Master of Science in Statistics and Data Analytics May 2024
Dissertation Title: “Data-driven Population Tracking and Arrival Forecasting in Service Systems”
Research Mentors: Fernando Bernstein (Duke University Fuqua School of Business)
Bora Keskin (Duke University Fuqua School of Business)
Adam Mersereau (UNC Kenan-Flagler Business School)
Serhan Ziya (UNC STOR Department)

East Carolina University, Greenville, NC

Master of Arts in Mathematics, Concentration in Statistics, GPA: 4.0 May 2020
Bachelor of Science in Mathematics, GPA: 4.0, summa cum laude May 2018

SUBMITTED TO REFEREED JOURNALS

“Data-driven Population Tracking in Large Service Systems”
with Bernstein, F., Keskin, N. B., Mersereau, A. J., and Ziya, S.
Selected for presentation at the 2024 MSOM Service Management SIG
Under revision for *Management Science*

WORKS IN PROGRESS

“Structural Forecasting of Customer Arrivals for Scheduled Services”
with Bernstein, F., Keskin, N. B., Mersereau, A. J., and Ziya, S.

AWARDS

Walter L. Deemer Excellence in Teaching Award, UNC Chapel Hill December 2023
Award given to students or faculty who have done consistently excellent work in supporting the department’s teaching mission

Amazon SCOT/INFORMS Scholarship October 2023

Bonder Scholar for the INFORMS Doctoral Student Colloquium October 2023

Cambanis-Hoeffding-Nicholson Award, UNC Chapel Hill December 2021
Award given for outstanding performance in first-year graduate courses and comprehensive written exams

Spaniolo Gift Award, UNC Chapel Hill August 2021

Awards and Scholarships from East Carolina University

– Eron-Vittitow Scholarship	May 2018 & May 2019
– Ji and Li Family Scholarship	May 2017 & May 2019
– Outstanding Senior Award	May 2018
– Graduate Scholar Award	May 2018
– Pignani Archer Award	May 2018
– STEM Merit Scholarship	May 2016

TEACHING
EXPERIENCE

- Instructor of Record**, UNC Chapel Hill
- STOR 215: Discrete Mathematics for Data Science Fall 2022
 - STOR 155: Introduction to Data Models and Inference Spring, Summer 2022, & Spring 2023
- Instructor of Labs and Recitations**, UNC Chapel Hill
- STOR 320 Lab Sessions: Introduction to Data Science Fall 2024
 - STOR 315 Recitation Sessions: Discrete Mathematics for Data Science Fall 2023
- Teaching Assistant**, UNC Chapel Hill
- STOR 642: Stochastic Modeling II Spring 2024
 - STOR 415: Stochastic Modeling Fall 2020 - Fall 2021
- Instructor of Record**, East Carolina University
- MATH 1065 College Algebra Spring 2020
 - MATH 0001: Remedial Mathematics Spring 2019

PROFESSIONAL
SERVICE

- Statistical Consulting**
- Free statistical consulting in conjunction with the course STOR 765: Statistical Consulting
- “Determining Core Words for Mandarin-Speaking Children” November 2023
 - “Teeth Asymmetry after MARPE” April 2024
- Conference Organization**
- STORFest organization student committee member, UNC Chapel Hill September 2023
 - Liaison between East Carolina University and conference organizers for UNC System Math Pathways conference September 2019
- Mentoring & Retention**
- Member of graduate student committee for mentoring new and prospective Ph.D. students of UNC STOR department March 2023 - present

SELECTED
PRESENTATIONS

- “Data-Driven Population Tracking in Large Service Systems”**
- INFORMS Annual Meeting, Seattle, WA October 2024
 - Revenue Management and Pricing Conference, Los Angeles, CA July 2024
 - MSOM Conference Service Management SIG, Minneapolis, MN June 2024
 - INFORMS Annual Meeting, Phoenix, AZ October 2023
 - Poster presentation, STORFest, Chapel Hill, NC September 2023
 - MSOM Conference, Montreal, Quebec June 2023
 - Production and Operations Management Society Annual Conference, Orlando, FL May 2023
- “Structural Forecasting of Customer Arrivals for Scheduled Services”**
- INFORMS Annual Meeting, Seattle, WA October 2024
 - MSOM Conference, Minneapolis, MN July 2024
- “Evaluating the Short- and Long-term Effects of Prognostic Factors on Allograft Failure Following Kidney Transplantation: Potential Implications for Donor and Recipient Selection”**
- East Carolina University, Greenville, NC May 2020