

EDUCATION

North Carolina State University, Statistics PhD

August 2019-May 2025 (Expected)

GPA: 3.533

University of Michigan, Statistics Masters

August 2017- May 2019

GPA: 3.864

Emory University, B.S in Mathematics; B.A in Economics

August 2011-May 2015

GPA: 3.534

AWARDS

Paige Plagge Award for Citizenship from North Carolina State University, 2022-2023

Outstanding Teaching Award from University of Michigan Department of Statistics, 2017-2018

PROFESSIONAL EXPERIENCE

Research Assistant for Professor Jonathan Williams, May 2020-Present

- Developing a method for structural model validation in measurement error models that is robust to unknown, bounded heteroskedastic variance
- Developing an exoplanet detection method that incorporates data-driven priors by employing the Generalized Fiducial Distribution

University Libraries, Data Science Consultant, August 2023-Present

- Consulted on performing statistical analysis on a variety of models including split-plots and mixed-effects
- Provided programming support for various languages included R and SAS

Statistics Teaching Assistant, September 2017-May 2023

- Taught ST 307 (Introduction to SAS) and ST 311 (Introduction to Statistics) at North Carolina State University
- Taught STATS 250 (Intro to Statistics), STATS 401 (Applied Statistical Methods II), ST 307 (Intro to Statistical Programming – SAS) at the University of Michigan
- Held weekly office hours, prepared lab and solutions, and graded assignments

Research Assistant for Professor Yang Chen, May 2018-May 2019

- Developed a random forest and neural network in Python to predict ion events in Earth's atmosphere using a dataset with over 300,000 observations

The Brattle Group, Research Analyst, June 2015-August 2017

- Collaborated with team members to develop economic analyses for testimony in regulatory proceedings and provide guidance to clients
- Contributed to conceptual development and implementation of models
- Managed internal audits, production of deliverables, and task assignments
- Prepared demonstratives and drafted text for expert testimony
- Supported expert witnesses during depositions, hearings, and client meetings
- Major analytical work: Performed analyses in STATA to determine differences in energy prices and use for over 20 aggregated regions of the U.S.; Conducted analyses in SAS and STATA to determine the affect of anti-competitive actions on energy market prices

SKILLS

R (Advanced), Python (Intermediate), SAS (Intermediate), STATA (Advanced), Excel (Advanced)