**NEIL DEY**

2435 Avent Ferry Rd. Apt J

Raleigh, NC 27606

843-245-4045

neild799@gmail.com

**EDUCATION**

**North Carolina State University GPA: 4.0**

PhD Candidate in Statistics *Expected Graduation: Summer 2025*

**North Carolina State University** **GPA: 4.0** B.S. in Computer Science & Mathematics (with Honors) *2017—2020*

**PEER-REVIEWED PUBLICATIONS**

* **Neil Dey**, Madeline Mariano, Adam Ousherovitch, Fiona Romanoschi, Natalia Vélez-Ríos, and Jonathan P. Williams. Modeling Political Violence Data with Time Series. *In Preparations*, 2024+.
* **Neil Dey**, Ryan Martin, and Jonathan P. Williams. Generalized Universal Inference on Risk Minimizers. *R&R in Journal of the Royal Statistical Society Series B*, 2024+.
* **Neil Dey** and Jonathan P. Williams. Valid Inference for Machine Learning Model Parameters. *In Review in Electronic Journal of Statistics*, 2024+.
* **Neil Dey**, Ryan Martin, and Jonathan P. Williams. Neil Dey, Ryan Martin, and Jonathan P Williams’ contribution to the Discussion of “Safe Testing” by Grünwald, de Heide, and Koolen. *Journal of the Royal Statistical Society Series B*, June 2024.
* **Neil Dey**, Matthew D. Singer, Srijan Sengupta, and Jonathan P. Williams. Word Embeddings as Statistical Estimators. *Shankya B*, May 2024.
* **Neil Dey**, Jing Ding, Jack Ferrell, Carolina Kapper, Maxwell Lovig, Emiliano Planchon, and Jonathan P. Williams. Conformal Prediction for Text Infilling and Part-of-Speech Prediction. *New England Journal of Statistics in Data Science*, October 2022.
* Jason A. Osborne, Melody Wen, and **Neil Dey**. MLBDecideR: A Shiny App for Baseball. *Notices of the American Mathematical Society*, October 2020.

**POSTER PRESENTATIONS**

* Anytime-Valid Generalized Universal Inference on Risk Minimizers, *Joint Statistical Meetings*, Portland, Oregon, August 2024.
* Valid Inference for Machine Learning Model Parameters. *Joint Statistical Meetings*, University of Toronto, August 2023.
* Valid Inference for Machine Learning Model Parameters. *Eighth Bayesian, Frequentist, and Fiducial Conference*, University of Cincinnati, May 2023.
* Missing Values Singular Value Decomposition for Approximating Word2Vec Factorization of Pointwise Mutual Information. *Seventh Bayesian, Frequentist, and Fiducial Conference*, University of Toronto, May 2022.

**AWARDS**

* William Mendenhall Graduate Award for Excellence in Teaching of Statistics *2024*
* B.B. Bhattacharyya Graduate Fund for Excellence Award *2022*
* Nominated for Outstanding Teaching Assistant Award *2022*
* Provost’s Doctoral Fellowship *2020*
* Meritorious winner of COMAP MCM competition *2019*
* Meritorious winner of COMAP MCM competition *2018*
* Park Scholarship *2017*

**TEACHING AND ADVISING**

**Courses Taught:**

* Introduction to Statistics (undergraduate; ST311 NCSU) *Fall 2023, Spring 2024, Fall 2024*
* Statistics Qualifying Exam Bootcamp (graduate; NCSU) *Summer 2022*

**Mentoring**

* Graduate mentor for DRUMS Research Experience for Undergrads (REU) *Summer 2021, Summer 2024*

**Teaching Assistantships**

* Experimental Statistics for Engineers II (graduate; ST516 NCSU) *Spring 2023*
* Statistical Learning and Data Analytics (undergraduate; ST495 NCSU) *Fall 2021*
* Fundamentals of Statistical Inference II (graduate; ST502 NCSU) *Fall 2021*
* Mathematical Analysis I (undergraduate; MA425 NCSU) *Spring 2019*

**INDUSTRY EXPERIENCE**

**Amazon (Personalization)** *Irvine, CA June 2021 – August 2021*

* + Applied Science Intern

**Boeing** *Seattle, WA June 2020 – August 2020*

* + Data Science Intern

**Amazon (AWS)** *Seattle, WA June 2019 – August 2019*

* + Software Engineering Intern

**Cengage (WebAssign)** *Raleigh, NC June 2018 – August 2018*

* + Software Engineering Intern