

Jordan Wheeler

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Academic Background

- Doctorate of Philosophy in Ed. Psychology: University of Georgia (May 2023)
 - Research, Evaluation, Measurement, Statistics Concentration
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- Master of Science in Mathematics: University of Nebraska at Omaha (May 2019)
 - Statistics Concentration
 - 3.82 overall GPA
- Bachelor of Science in Mathematics: Nebraska Wesleyan University (May 2017)
 - 3.54 overall GPA, 3.62 major GPA

Research Experience

- University of Nebraska at Omaha Mathematics Dept., Advisor: Dr. Mahbubul Majumder
 - Analysis of gene expression between tumor and normal tissue cells (Fall 2018)
 - Results are being written in a paper "A Pan-Cancer Analysis of Gene Expression Data Across 32 Tissues"
- NWU's Health and Human Performance Dept., Mentor: Dr. Ted Bulling
 - Analysis of Banked Track to Flat Track Conversions (Spring 2018 - Fall 2018)
 - Scraped web data to conduct Shapiro-Wilk Normality check, Paired Sample t-Test, and Bayesian MCMC Simulations to compared indoor track conversions
 - Findings and implications written in a paper and submitted for publication to the *International Journal of Performance Analysis in Sport*: "Analysis of NCAA Division III 200/400 Indoor Track Conversions"
- University of Nebraska at Omaha ISQA Department, Mentor: Dr. Christian Haas
 - Independent Research in Game Theory (Summer 2018)
 - Paper written with a comprehensive study of non-cooperative games
- Nebraska Wesleyan Mathematics Department, Mentor: Dr. Austin Mohr
 - Graph Theory: Rework of Kirchoff's Matrix Tree Theorem (Spring 2017)
 - Oral presentation at Doane University's Mathematics Conference and at Nebraska Wesleyan's Research Symposium
 - Paper written in partial fulfillment of the Bachelor of Science degree
 - Combinatorics: Kirkman Packing Designs (Spring 2017)
 - Implemented simulation and optimization techniques with *Python*
 - Poster Presentation at Nebraska Wesleyan's Research Symposium
 - Topology: Banach Mazur Topological Game (Spring 2016)
 - Composed proofs for strategies within different topological orders for the Banach-Mazur game

- Beamer presentation at Nebraska Wesleyan's Research Symposium
- Topology: Countable and Uncountable Spaces (Spring 2016)
 - Composed proofs to prove countability and uncountability for different topological spaces

Work Experience

- Research Assistant: UNO Mathematics Dept. (November 2018 - Present)
 - Working on visualization and text analysis on hateful speech
 - Working on protein analysis of HIV and non-HIV infected macrophages (white blood cell)
 - Weekly meetings to discuss current progress on research
- CATCH Intelligence: Data Science Internship (January 2018 - Present)
 - Used R and Python to manipulate data and run statistical tests
 - Created RShiny applications for different uses
 - Created multiple presentations on predictive and prescriptive projects
- Volunteer Cross Country Coach: Omaha North Magnet High School (June 2018 - October 2018)
 - Worked with and provided workouts to high school student athletes
 - Worked with a team of coaches
- Lincoln Public Schools: Mathematics Mentor (August 2017 - December 2017)
 - Mentored and taught highly gifted students in Mathematics
 - Created lesson plans and used multiple strategies to teach required topics
 - Accountable for writing reports of students' progress for administration

School Involvement

- Nebraska Wesleyan University
 - Student Athlete (Fall 2014 - Spring 2018)
 - Cross Country and Track
 - 15 - 20 practice hours per week

Honors and Awards

- 10 x Academic All-Conference Team for Cross Country/Track and Field
- 9 x USTFCCCA All Academic Scholar Athlete
 - 3.25+ GPA and one of the top performers in the nation
- NCAA National Qualifier for Outdoor Track Championships in the 10,000 meters
 - Top 20 runners in the country qualify
- National Qualifier for the NCAA Cross Country Championships
- GPAC Cross Country Runner of the Year
- 2 x Conference Champion