Jordan Wheeler

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Academic Background

- Doctorate of Philosophy in Ed. Psychology: University of Georgia (May 2023)
  - Quantitative Methodology 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