

Ronald Mark Herndon II

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EDUCATION

The University of Texas at Austin, Austin, Texas May 2027
Bachelor of Science: Statistics and Data Science

GPA: 3.46

Relevant Coursework: Elements of Data Science, Elements of Statistics, Elements Software Design, Linear Algebra

SKILLS

Technical Skills: Advanced in R, Intermediate in Python, Exposed to SQL

Relevant Skills: Multiple Linear Regression, statistical modeling, statistical inference, Monte Carlo Simulation, Experimental Design, Probability Models, Intermediate with Matplotlib, familiar with Sci-kit learn

EXPERIENCE

GULF KING SEAFOOD, Corpus Christi, Texas June 2023 - August 2024
Internship Position

- Organized company files, reports, and invoices and sales data for the company.
- Researched and conducted meetings with potential customers and partners to foster new opportunities.

PALMILLA GOLF RESORT, Port Aransas, Texas May 2022 - August 2022
Guest Services Specialist

- Facilitated member engagement and enhanced client-facing experiences
- Maintained all areas of the resort including the pools, dining areas, and beach area

PROJECTS

RANDOM WALK ANALYSIS SIMULATION: September 2024

- Developed a Python simulation to model random walk behavior and theory applied to multiple players, analyzing position distributions through probabilistic movement and Visualization.
- Implemented statistical analyses to track mean and variance of player positions over time, visualizing the progression of random walk trends and dispersion.

SIMULATION STUDY ON LUCK AND SUCCESS: June 2024

- Developed a simulation in R to analyze the role of luck versus skill in achieving success by modeling scores with weighted components and resampling techniques.
- Implemented MONTE-CARLO simulations and statistical resampling methods to examine the variability and impact of random factors (luck) in selection outcomes.
- Optimized simulation performance and refined data structures and data generation

INTERACTIVE DATA VISUALIZATION PROJECT: December 2023

- Developed an interactive Shiny Web Application using IQ data across countries to see how trends varied according to respective country GDP and economic growth.

LEADERSHIP & COMMUNITY INVOLVEMENT

KAPPA ALPHA ORDER, Austin, Texas September 2023 - December 2023
Volunteer

- Volunteered at Ortega Elementary School in Austin to tutor children in mathematics and science