Ronald Mark Herndon II

361-960-8094 | mherndon447@gmail.com | Austin, TX
https://markherndon.github.io/ | www.linkedin.com/in/mark-herndon-23a5832b8

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