Tyson King

Atlanta, GA • (919) 612-9604 • tmking2002@gmail.com

EDUCATION

Georgia Institute of Technology   **Aug 2023 – Dec 2024**
Master of Science in Analytics, Computational Data Analytics Track   Atlanta, GA

North Carolina State University   **Aug 2020 – May 2023**
Bachelor of Statistics, minor in Mathematics   Raleigh, NC

SKILLS

- **Programming/Tools:** Python, SQL, R, JavaScript, HTML, Git, LLMs, Parallel Processing, NLP, Neural Networks
- **Statistical Modeling:** Machine Learning, Classification, Optimization, Clustering, Regression

EXPERIENCE

Elevance Health   **May 2024-Present**
Data Science & Machine Learning Intern   Atlanta, GA
- Collaborated with the claims intake team to enhance automated processing of health insurance claims.
- Leveraged Snowflake to query billions of rows of health insurance provider and client data, identifying inefficiencies in the claims processing system
- Developed a real-time diagnostic tool for the IT team, integrating Datadog and Splunk APIs to monitor and address system performance issues

Georgia Institute of Technology Softball   **Jul 2023- Present**
Graduate Assistant   Atlanta, GA
- Scraped Georgia high school softball schedules and designed an interactive app to help the coaching staff manage their recruiting visits more easily.
- Wrote scripts in R and Python to create easy-to-understand reports for the coaches on the sensor data collected at practices and prospect camps.
- Built a pitch-calling model using a convolutional neural network and pitch tracking data for use in scrimmages and games

College Sports Evaluation   **May 2023- Present**
Data Analyst Intern   Remote
- Scraped and cleaned historical softball data to be used in deliverable reports to youth athletes and to be utilized in the NCAA softball transfer portal rankings.
- Developed regression models to assign relationships between biometric data and in-game metrics.
- Built frameworks in Python and R for the development team to implement into the College Coach Portal.

PROJECTS

softballR Package   **Nov 2022 - Present**
- Wrote a package in R that provides clean and accessible college softball data.
- Utilized the rvest package and the tidyverse in R to scrape and clean data from the NCAA website.

Softball Statline (softballstatline.com)   **Jul 2023 - Present**
- Developed and launched softballstatline.com, a comprehensive online platform dedicated to softball statistics and information, offering a one-stop resource for softball enthusiasts and professionals.
- Designed and implemented a user-friendly website interface, ensuring easy navigation and accessibility for users to browse team statistics, schedules, box scores, and player leaders.

Call Center Text Classification Competition   **Jan 2024**
- Competed and *won* a Best Buy sponsored competition through the GT MSA program
- Worked closely with two classmates to build a computationally efficient neural network to classify ~350,000 call center interactions into 57 distinct categories
- Explored several different NLP techniques including lemmatizing, stemming, text vectorization, and PCA to improve model accuracy