

Tyson King
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EDUCATION

Georgia Institute of Technology
Master of Science in Analytics, Analytical Tools Track

Aug 2023 - Dec 2024
Atlanta, GA

North Carolina State University
Bachelor of Statistics, minor in Mathematics

Aug 2020 – May 2023
Raleigh, NC

SKILLS

- **Programming/Tools:** Python, SQL, R, JavaScript, HTML, Git
- **Statistical Modeling:** Machine Learning, Classification, Optimization, Clustering, Regression

EXPERIENCE

Elevance Health
Data Analytics & Automation Intern - Claims Intake & Workflow Team

May 2024-Present
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
Graduate Assistant

Jul 2023-Present
Atlanta, GA

- Built a database for evaluating and organizing future recruit prospects using Google Forms and R.
- 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.

College Sports Evaluation
Data Analyst Intern

May 2023-Dec 2023
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 versatile "tidyverse" suite in R to scrape and clean data from the official 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