

Tyson King

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EDUCATION

Georgia Institute of Technology

Master of Science in Analytics, Computational Data Analytics Track

In-Progress Courses: Optimization, Regression, Modeling

Aug 2023 - May 2025

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

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- Present

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.

NC State Softball

Data Analyst

Sep 2021– May 2023

Raleigh, NC

- Translate Yakkertech (pitch tracking) data into a digestible format for the coaching staff.
- Wrote scripts to pull data and create reports for player development and evaluation, e.g. post-game pitching execution reports.
- Worked with coaching staff to create and implement data-driven practice plans.

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.

LEADERSHIP & INTERESTS

- Leadership: NCSU Sports Analytics Club Secretary
- Interests: Sports Analytics, Disc Golf, Distance Running