Tyson King

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EDUCATION

Georgia Institute of Technology   **Aug 2023 - May 2025**
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
  Statistical Modeling: Machine Learning, Classification, Optimization, Clustering, Regression, Neural Networks, Natural Language Processing (NLP)

EXPERIENCE

Georgia Institute of Technology Softball   **Jul 2023- Present**
Graduate Assistant   Atlanta, GA
- Built a database for evaluating and organizing future recruit prospects using Google Forms and R.
- Scraped schedules and designed an interactive app to help the coaching staff better manage their recruiting visits.
- 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   **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.
- Built frameworks in Python and R for the development team to implement into the College Coach Portal.
- Created data visualization and modeling tools to be used for consulting with 20+ NCAA softball teams.

NC State Softball   **Sep 2021– May 2023**
Data Analyst   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.

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