

# Brennan Gillgrist

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## Experience

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### The Gamecock Insider | Columbia, SC

#### Statistician | 08/2024 - Present

- Created statistical models predicting the outcome of South Carolina football games to post on the largest South Carolina Gamecocks Instagram fan page (13.5k followers).
- Simulated the college football season based on win percentages to calculate expected season win totals and predict bowl eligibility.

### Arroyo Seco Saints | Pasadena, CA

#### Data Analyst | 06/2024 - 08/2024

- Worked on various coding projects listed in the Projects section
- Created positioning cards from Synergy data for each game to increase defensive performance.
- Operated TrackMan and Pointstreak for data collection and game scoring for all home games.
- Set up six cameras around the stadium and uploaded the footage to Synergy after each home game.
- Communicated TrackMan data in-game to the hitting coaches as an added method of real time pitcher scouting.
- Conducted league-wide TrackMan and Synergy Audits to ensure each team was consistently uploading.
- Recruited college players and created a database for next season's possible roster options.

### Tampa Bay Rays | Charleston, SC

#### Technology Operator | 05/2023 - 09/2023

- Operated the TrackMan radar for the Charleston Riverdogs, the single A minor league team for the Tampa Bay Rays.
- Analyzed key metrics like velocity, spin rate, and more to identify pitch type.
- Inputted play-by-play information for each pitch that was used for statistical analysis.
- Learned how to score baseball games and ensure data accuracy.

### Chick Fil A Dorchester Rd. | North Charleston, SC

#### Team Member | 05/2020 - 07/2022

- Worked in a large team of people to ensure order accuracy and increase speed of service in the drive through.
- Regularly closed the restaurant and stayed late to guarantee everything was clean and ready for the next day.
- Assisted in the startup of the delivery system that eventually broke national delivery records.

## Skills

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R, Python, Machine Learning, Statistical Modeling, Excel, Statistical Analysis, Tableau, SAS, JavaScript, Baseball Scouting, Baseball Recruiting, TrackMan Baseball, Synergy Baseball, Teamwork, Communication skills, Customer service, Time management, Leadership Experience, SQL

## Education

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### University of South Carolina | Columbia, SC

#### Bachelor of Science in Statistics | 12/2024

Sport and Entertainment Management Minor

3.883 GPA

## Projects

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- Designed a baseball lineup optimization tool in Python by simulating baseball games and using Linear Regression to predict number of runs by batting order. (Arroyo Seco Saints)
- Developed code in R Shiny for a baseball analysis tool that generates hitter reports, pitcher reports, ANOVA, and player comparison charts as selected by the user. (Arroyo Seco Saints)
- Designed and implemented a Bayesian Linear Regression predicting the win percentage of NFL teams based on the total cap space percentage of each position group. (UofSC)