

# Joseph Dante Maurice



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## EDUCATION

### Rice University, Houston, TX

School of Engineering and School of Social Sciences

BA: Statistics and Sport Analytics / GPA: 3.97/4.00

Expected May 2026

### University of Wisconsin–Madison, Madison, WI

Attended 2022-2024

Honors College/College of Letters and Science

Statistics and Data Science / GPA: 3.96/4.00 (Dean's List all semesters)

## EXPERIENCE

Text

### Rice Baseball Program – Analytics Team, Houston, TX

September 2024–present

Student Assistant Director of Analytics, Project Leader

- Led pitch tunneling project; developed code utilizing Trackman data to analyze horizontal release angle overlap of pitches, enhancing deception and sequencing strategies
- Instruct and supervise team on tunneling data visualizations and coding processes for effective analysis
- Capture and analyze performance data to craft individualized player development plans, conduct advanced research, and generate comprehensive scouting reports
- Stage and operate video cameras and tracking equipment to record video and track performance during bullpens, practice, scrimmages, and games
- Experience with Trackman, BATS, Kinatrax, and other software

### Carnegie Mellon University - Sports Analytics Research, Pittsburgh, PA

June 2025–July 2025

Summer Undergraduate Researcher

- Led project on clustering MLB hitters' swing behavior using bat-tracking data; applied Gaussian Mixture Models to identify context-dependent swing pattern shifts
- Developed R scripts and visualization tools to communicate findings; created player-level cluster summaries and count leverage analysis to inform strategic insights
- Presented research to CMU faculty, peers, and industry professionals at a culminating symposium and at the CMSAConference; produced a formal write-up
- Collaborated with faculty mentor Dr. Ron Yurko and fellow researchers on methodology and model interpretation; received guidance and feedback from Bryant Davis (Miami Marlins) on project direction and presentation

### New York Boulders, Pomona, NY

April 2024-September 2024

Baseball Operations and Data Analytics Intern

- Designed code in R to produce comprehensive scouting reports tailored to the specific needs of hitting and pitching coaches, ensuring accessibility and ease of use
- Proactively pitched and led various data-driven projects, addressing the evolving needs of the coaching staff and enhancing their decision-making process
- Operated YakkerTech baseball tracking software to tag games and obtain data
- Conducted meticulous data validation processes, cleaning data to remove inaccuracies

## SKILLS

R·Python ·SQL·Statistical Modeling·Machine Learning·Google Drive Software·Public Speaking ·Written/Oral Communication·Video/Photo Editing ·Italian Language Proficiency