

# Liam Jennings

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## Education

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<b>Robert Morris University</b> , Moon Township, PA	GPA: 4.00
Master of Science in Data Science	Expected Graduation: May 2025
Bachelor of Science in Statistics and Data Science	Minor in Sport Management

## Projects

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<b>How Eye Color Affects Day and Night Splits of MLB Players</b>	Mar 2024 - Apr 2023
• Produced two random forest models to determine performance in time of day versus eye color	

<b>Cincinnati Reds Baseball Analytics Hackathon Finalist</b>	Feb 2024
• Created a decision tree model with k-fold cross-validation to determine pitchers who could thrive with a role change (starting pitcher to relief pitcher or relief pitcher to starting pitcher)	

<b>2023 Cleveland Cavaliers Hackathon Advanced Analytics Track Winner</b>	Nov 2023
• Web scraped, weighted variables, and utilized k-means clustering algorithm to tier their schedule	

<b>Oneil Cruz Pitch Sequencing Project</b>	Dec 2022 – Feb 2023
• Applied Statcast data and ggplot2 library to analyze how pitchers set up Oneil Cruz for strikeouts and compared pitch sequencing against other hitters	

## Work Experience

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<b>Data Collection Analyst</b>	Jul 2023 – Present
<b>PFF</b>	

- Collect pre-snap, post-snap, penalties, and location stats for every play during a game (~180 plays)
- Work up to 3 live games (~12 hours) on gameday depending on speed and accuracy

<b>IT Application Programmer</b>	Feb 2023 – Present
<b>Robert Morris University IT Department</b>	

- Build 2 reports per hour in Argos using SQL queries based on requests from the administration
- Learned Tableau to create statistical models for the university's outbound and inbound calls

## Leadership and Activities

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<b>President</b>	April 2023 – Present
<b>Sport Analytics Club, Robert Morris University</b>	

- Lead meetings, connect sports professionals to the club, and participate in industry hackathons
- Orchestrated first annual "Data Jam" using marathon survey data from P3R and data from LEARFIELD with 34 participants from Robert Morris University, University of Maryland, and Penn State University

## Key Skills

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**Industry Skills:** R, Python, SQL, Tableau, SPSS, Microsoft Power BI, Microsoft Excel, Machine Learning, Statistical Modeling, Data Visualization, Data Analysis, Probability and Statistics