

Will Paz

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Education

Miami University – Oxford, OH

Master of Science, Mathematics – December 2026 (expected)

Bachelor of Science/Arts, Mathematics and Statistics; Data Analytics (Sport Analytics Concentration) – May 2026

- *GPA*: 3.73
 - *Minors*: Computer Science, Sports Management
 - *Activities*: Secretary of Miami University Sports Analytics Club, Pi Mu Epsilon, Honors College
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Experience

Data Science Intern, 06/2026 – 08/2026

Arhaus – Boston Heights, OH

- Designed and built an automated document-ingestion pipeline that centralized multi-source data in a PostgreSQL database, flagged discrepancies, and alerted team leads via Teams and email with a React UI for end-to-end workflow management.
- Applied graph-based analysis to ecommerce basket data to uncover product-affinity patterns; developed a deep learning sentiment model to analyze customer feedback; conducted statistical root-cause analysis on order cancellations and trends.

Director of Analytics & Head Student Manager, 08/2023 – 05/2026

Miami University Baseball – Oxford, OH

- Led a team of 4 student analysts as Director of Analytics, overseeing advanced scouting operations, constructing individualized pitcher development plans, and collaborating directly with coaching staff on pitch design sessions.
- Built and deployed R Shiny and Plotly web applications for interactive data visualization, delivered post-game player analysis reports to coaching staff, and managed video platforms including AWRE Sports and Synergy.
- Developed machine learning models, including Stuff+, Location+, and swing decision metrics, through independent research, giving coaches and players data-driven insight into pitch quality, location value, and hitter tendencies.

Peer Tutor of Mathematics and Statistics – Level 3 CRLA Certified, 08/2023 – 05/2026

Rinella Learning Center at Miami University – Oxford, OH

- Tutored students in mathematics and statistics coursework, translating complex quantitative concepts into clear, accessible explanations tailored to individual learning styles.

Graduate Teaching Assistant, 05/2025 – 08/2025

Polymath Jr. – Remote

- Guided student research teams in applying linear algebra, machine learning, and statistical methods to sports analytics projects.
- Designed and led hands-on demonstrations covering web scraping, API usage, and core Python packages, teaching underlying mechanisms rather than just surface-level syntax.

Undergraduate Researcher, 05/2024 – 08/2024

Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown University – Providence, RI

- Selected for Summer@ICERM: Mathematical Models to Predict, Prepare, and Prevent, an 8-week NSF-funded research program applying mathematical modeling to real-world prediction problems.
 - Co-authored "[*Money Bull: Analyzing the Application of Ranking Methods to Rodeo*](#)" (published in *Mathematics and Sports*, 2025), applying linear-algebra-based ranking methods to model and predict rodeo competition outcomes.
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Skills

Programming & Tools: Python, R, SQL, SAS, Excel, Java, Git, PostgreSQL, React, R Shiny, Plotly, Data Viz

Analytics: ML, Deep Learning, NLP, Statistical Learning, Snowflake, Experimental Design, A/B Testing, ODE/PDE Modeling

Relevant Coursework

Mathematics: Applied Linear Algebra, Optimization, Advanced Differential Equations, Measure Theory, Graph Theory

Statistics and Computer Science: Probability, Regression Analysis, Database Systems, Experimental Design Methods, Data Structures