




Diego Osborn

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EXPERIENCE

- Baseball Analytics Intern** | *UC San Diego Baseball* Feb 2023 – Present
- Automated previously time-consuming opponent scouting report process to enhance game preparation and save coaches and staff hundreds of hours of manual work every season.
 - Involved in player development and analytics with the development of pitch classification, pitch quality (Stuff+), pitch sequencing, and expected models (xERA, xFIP, xwOBA).
 - Generated post-game pitching report graphics summarizing each pitch type's metrics (e.g., velo and movement profiles) and visualizing pitch locations/break patterns to help coaches identify areas for improvement.
 - 2023 NCAA Division-1 Baseball Big West Conference Championship.
- Data Analytics Intern** | *UC San Diego Career Center* Sep 2024 – Jun 2025
- Performed EDA and cleaning on career outcomes data for 12,000+ graduates to support the development of an interactive Power BI dashboard—highlighting insights on salary trends, industries, and top employers for student career planning
 - Built a PostgreSQL database to store and query 100,000+ Handshake accounts; categorized alumni by graduation year and degree type, and facilitated the archival of alumni accounts for improved data organization and historical tracking
- Baseball Analytics Intern** | *Palm Springs Power Baseball* Jun 2023 – Jul 2023
- Operated the FlightScope tracking system, and tracked and analyzed statistics for the PSCL's (Palm Springs Collegiate League) league website.
 - Developed an interactive Looker dashboard with visualizations to assist players and coaches, in the PSCL, with evaluating pitch and batted ball data from FlightScope.

EDUCATION

- University of California, San Diego** Sep 2022 - Jun 2026
Bachelor of Science - BS, Data Science; Minors in Economics and Mathematics
- Organizations:** Triton Ball Sports Analytics Club
- Honors:** UCSD Eleanor Roosevelt College Honors Program, Provost Honors (3x)
- Relevant Coursework:** Statistical Modeling and Inference, Machine Learning and Probabilistic Methods, Optimization Methods and Linear Algebra, Data Management and Scalable Systems

PROJECTS

- The Effect of Two Strikes on a Hitter's Swing** | *JavaScript, d3.js, HTML, CSS, Python* May 2025 – Jun 2025
- An interactive website that uses Baseball Savant's new swing angles—attack angle, attack direction, swing path (tilt)—to explore how hitters are adjusting their swing in two-strike counts, featuring league trends, an in-depth analysis on Yordan Alvarez's 2024 season, and a 3D sandbox to visualize the swing changes of every qualified 2024 hitter.
- Spotify Popularity Analysis** | *Python, Statsmodels, Matplotlib, Seaborn* Feb 2025 – Mar 2025
- Performed EDA on 100,000+ Spotify tracks to identify key audio features linked to song popularity.
- PSCL Interactive Dashboard** | *Looker Studio* Jun 2023 – Jul 2023
- The interactive Looker Studio dashboard that provides a user-friendly interface for coaches and players to track their performances and showcase their abilities to college scouts for the PSCL.

SKILLS

Programming & Scripting Languages: Python, R, SQL, Java, JavaScript, HTML, CSS, L^AT_EX

Databases & BI: PostgreSQL, SQLite, Tableau, Power BI, Looker

Spoken Languages: English, Spanish

AWARDS

- Nanar and Anthony Yoseloff Foundation Scholarship** Jan 2025
Issued by Society for American Baseball Research (SABR)
- I am grateful to say that I was selected to receive one of four nationwide Nanar and Anthony Yoseloff Foundation Scholarships to attend the 2025 SABR Analytics Conference.