

## Trevor Beer

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### Summary of Qualifications

- Experienced in traditional data science and statistical methods in supervised and unsupervised settings
  - Trained in programming under modern deep learning and generative AI frameworks
  - Capable of preprocessing, modeling, and interpreting results from large datasets
  - Clear and effective data visualization using R and Python
  - Strong communication, leadership, and problem-solving skills cultivated through academics and participation in baseball
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### Education

#### UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

M.S., Statistics and Data Science. GPA: 3.82

June 2024

Relevant Courses: Pattern Recognition and Machine Learning, Statistical Programming, Applied Probability, Research Design And Sampling, Matrix Optimization, Topics in Economics and ML, Synthetic Data Generation, Statistical Models in Finance

Thesis Topic: Generative Data Science Applications in Aerospace Mission Formulation

#### UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Goleta, CA

B.S., Statistics and Data Science. GPA: 3.50

June 2022

Relevant Courses: Statistical Machine Learning, Advanced Statistical Models, Regression Analysis, Bayesian Data Analysis, Stochastic Processes, Mathematics of Fixed Income Markets, Real Analysis, General Physics

Dean's Honors (Spring 2020, Winter 2021, Fall 2021)

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### Experience

#### JET PROPULSION LABORATORY

Pasadena, CA

##### Systems Engineering Graduate Intern

April 2023 – June 2024

- Assist in development and maintenance of statistical models to predict mission cost in early project lifecycle and formulation
- Leverage Python to clean and process data, consulting mission personnel to account for schedule delays and document changes to raw data
- Deploy statistical analyses and interactive visuals as web-based applications using Django and Dash frameworks

#### UCLA BASEBALL

Los Angeles, CA

##### Data Analyst

September 2022 – July 2023

- Utilize various data collection technologies such as Trackman and Rapsodo
  - Identify trends from data using Python and RStudio to create individualized pitcher reports and predictive models
  - Provide research findings and summary reports to assist decision making in player development
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### Leadership & Activities

#### UCSB BASEBALL

Goleta, CA

##### Pitcher, Team Member

August 2018 - June 2022

- Member of 2 Big West Championship winning teams (2019, 2022), and 3 NCAA Regional teams (2019, 2021, 2022)
  - Provided support and motivation to teammates and maintained at least 3.0 GPA in 12 or more units per quarter, with 20+ hour practice schedules weekly
  - Routinely communicated with teammates and coaches to strategize effective practice drills and fitness regimen
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### Skills & Interests

**Technical:** Proficient in R, Python; familiar with Django, Dash, RShiny, Microsoft Office, SQL, C++, C, STAN

**Language:** Spanish (elementary proficiency)

**Interests:** Advanced Scuba Diver Certification, Adult CPR Certification, Amateur Astronomy/Astrophotography