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 science workflows with SQL, 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)

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, SQL; familiar with Django, Dash, RShiny, Microsoft Office, C++, STAN, Tableau
Interests/Certifications: Advanced Scuba Diver Certification, Adult CPR Certification, Amateur Astronomy/Astrophotography