

Ethan Tsao

San Ramon, CA | (925)-963-5282 | ethantsao@ucsb.edu | [linkedin.com/in/ethandtsao/](https://www.linkedin.com/in/ethandtsao/)

EDUCATION

University of California, Santa Barbara

B.S. in Statistics & Data Science, Technology Management Program

Relevant Courses: Principles of Data Science (R), Statistical Machine Learning, Design of Experiments, Linear Regression

Expected Graduation: June 2026

Cumulative GPA: 3.30/4.0

WORK EXPERIENCE

UCSB Alumni Affairs

Santa Barbara, CA

Intern

Oct 2024 - Present

- Managed 60+ events, including setup, clean-up, and coordination of AV equipment, ensuring smooth execution.
- Assist event hosts with on-site needs and policies during events, ensuring a secure environment for guests and staff.
- Oversaw the building during events outside regular campus hours, using data entry for timely event documentation.

Quickly Corporation

Pleasanton, CA

Crew Member

Jul 2021 - May 2022

- Worked with a team of 6 in executing store duties and crafting customer service strategies, leading to a 14% revenue increase within 2 weeks and consistently surpassing monthly revenue targets set by the store manager and company.
- Proposed a customer feedback initiative, analyzing customer input from Yelp and Google using Excel and identifying areas for improvement, resulting in a 0.3-star rating increase on Google reviews after a month of implementation.
- Trained 3 new members, providing comprehensive guidance in customer service and protocols over 2 weeks.

Norcal Volleyball Club

Pleasanton, CA

Assistant Coach

Jun 2021 - May 2022

- Assisted in coaching 14 boys on basic volleyball skills, rules, and positioning through drills during practices and developed schedules for over 20 practices while helping organize the team's participation in 3 regional tournaments.
- Tracked players' live performance statistics while providing feedback for continuous improvement using Hudl.
- Recorded 10+ hours of game footage for analysis, contributing to enhanced player performance and team success.

PROJECTS

NBA Draft Prediction Model

Feb 2025

- Scraped and processed draft data using BeautifulSoup, pandas, and spaCy to extract team needs and player predictions.
- Utilized Random Forest model with scikit-learn and pandas to predict draft outcomes based on position and team needs.
- Currently building a React.js website to visualize draft predictions and player-team matches interactively with insights.

Statistical Data Analysis & Experimental Design

Nov 2024

- Conducted statistical data analyses and experimental design with R Markdown using permutation tests and ANOVA.
- Presented findings with ggplot2 and Shapiro-Wilk tests, linear regression and residual analysis with dplyr, tidyverse.

YouTube API Data Analysis

Jun 2024

- Created detailed visualizations using Matplotlib and Seaborn to highlight view counts, like ratios, and upload times.
- Data Cleaning using Pandas and NumPy, applied NLP techniques to generate WordClouds and identify content trends.

SQL Restaurant Analysis

Jun 2024

- Analyzed customer data from a restaurant to identify spending behavior and preferences using diverse SQL queries.
- Generated comprehensive datasets and provided actionable insights to support the expansion of a new loyalty program.

ORGANIZATIONS

Gaucha Sports Analytics

Santa Barbara, CA

Member

Mar 2025 - Present

- Working with Gauchos Baseball to implement an ETL pipeline and machine learning framework for pitch optimization.

Delta Sigma Pi - Rho Sigma Chapter

Santa Barbara, CA

VP Professional Activities

Feb 2024 - Apr 2024

- Led a team of five in creating a professional event with a speaker from NASA JPL for 50 organizational members.
- Participated in various service projects and community outreach initiatives to demonstrate civic responsibility.

SKILLS & INTERESTS

Technical Skills: Python, R, SQL, SAS, HTML, CSS, JS, Scikit-Learn, GitHub, Jupyter, Colab, G-Suite, MS Office

Interests: Volleyball, Calisthenics, Weightlifting, Traveling, Music Production, Personal Finance, Fantasy Sports