

Joseph Guzman

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An undergraduate driven by a relentless curiosity to convert data into compelling narratives. Constantly exploring the convergence of my passions and data science, both as a personal endeavor and a professional pursuit of change.

EDUCATION

University of California, San Diego

Bachelor of Science: Data Science, Minor in Business Economics

San Diego, CA

Expected June 2025

EXPERIENCE

COMPASS Institution at UC San Diego (Non-Profit Student Organization)

Apr 2023 - Present

Lead Financial Officer

- Managing financial records, executive budgets, flow of allocations within the organization using Waze and Excel to target our quarterly financial goals of \$3.1k profit.
- Networking with 5+ directors and CEOs across San Diego to receive sponsorships and establish partnerships, which increased our brand awareness and fundraised over \$2,000.
- Preparing 20+ budget reports and analyzing performance to identify areas for improvement and growth opportunities within our financial committee, which helped productivity increase by 20%.

Associated Students at UC San Diego (Student Government)

Nov 2021 – Jun 2023

Financial Analyst

- Researched to determine optimal audit strategies, ensuring consistent implementation to facilitate the CFO's comprehensive understanding of financial conditions.
- Conducted analysis of financial documents related to student government budgeting and expenditures using Python in order to obtain domain understanding.

KSDT Radio - UC San Diego (Radio Station)

Sep 2022 – May 2023

Marketing Intern

- Designed 30+ fliers using Adobe Photoshop and Figma to advertise KDST radio events which recruited 25+ new members to our community quarterly.
- Strengthened the relationship between the radio station and other organizations on campus through 5+ joint events and follow up meetings.
- Monitor demographic data with market trends and develop targeting strategies using Python designed to increase revenue by 10%.

IDEA Engineering Student Center (Academic Department)

Jun 2022 – Sep 2022

Assignment Assistant

- Built a database using SQL which transcribed 70+ interviews following survey responses from Qualtrics on topics such as academic performance, professors-student relationships, career events/workshops, etc, and tracked its results.
- Collaborated with the director of the IDEA Center Director of Strategic Initiatives & Assessment to optimize key workflow to identify marginal errors, results and opportunities, and streamlined resources by improving student experiences.
- Wrote extensive word articles and presented 15+ reports summarizing literature, data, or program feedback to department supervisors, and maintained a 100% completion rate.

PROJECT

Open AI Model on the Homeless Population in San Diego

- Establish a network of 20+ connections among the San Diego community from non-profits and food banks to earn knowledge on homelessness and aid assistants with their causes.
- Collect qualitative and quantitative data to train our LLM models and ChatBox through researching similar projects and academic papers.

March Madness Seeding Predictions

- Utilized Linear Regression, Random Forest Regression, and XGBoost. to predict seeding placements for the 2023 March Madness tournament based on team's season performances. Applying gradient descent to optimize weights for the regression model.
- Demonstrated proficiency in data cleaning, feature engineering, and model optimization, achieving predictions with an MAE of 0.33 and an R-squared score of 0.96.

SKILLS & AWARDS

Languages: Written and Spoken fluency in Spanish and English

Awards: Simon Scholars Foundation Scholarship Recipient, 2021 Male Scholar-Athlete of the Year

Technical Skills: SQL, Javascript, HTML/CSS, MATLAB, Python, Java, Azure, Tableau, Amazon Web Services, Seaborn, Sklearn, Tensorflow, R, SPSS