

JONATHAN RENOJ

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EDUCATION

University of California, Berkeley

B.A. in Data Science (Business and Industrial Analytics Emphasis)

Berkeley, CA

Expected May 2025

Los Angeles City College

A.S. in Mathematics, Economics, and Natural Sciences

Los Angeles, CA

June 2023

EXPERIENCE

Student Technology Equity Program Associate

UC Berkeley Student Technology Services

Aug 2024 – Present

Berkeley, CA

- Distributed 500+ tech items for students in need, achieving 98% availability and reducing wait times by 15%.
- Conducted data audits, cutting record errors by 20% for improved inventory tracking and accuracy.
- Updated STEP database with 1,000+ student and device records monthly, streamlining data access.

Artist & Label Relations Intern

Stem Disintermedia Inc.

June 2024 – Present

Los Angeles, CA

- Organized and managed client data across internal systems, enhancing metadata accuracy and structure for 100+ releases by using advanced Excel functions to analyze trends and optimize release schedules.
- Collaborated with multiple departments to maintain data consistency, using pandas for data cleaning and transformation, which enhanced release planning efficiency by 32%.
- Maintained multiple databases and priority lists to aid in scheduling and prioritizing releases.

Outreach Ambassador

Los Angeles Community College District

June 2021 – Feb 2023

Los Angeles, CA

- Engaged over 3,000 students at 50+ LAUSD events, delivering targeted presentations that increased application inquiries by 15% and improved college fair attendance by 23%.
- Presented students with information, referrals and assistance accessing resources such as food, housing and financial aid scholarships
- Organized large-scale recruitment events hosting 2,000 high school students, leveraging data on student interests to design 20+ tailored campus tours, achieving a 90% satisfaction rate on feedback.

Research Intern

ASAP Connect

Jan 2021 – Jul 2021

Remote

- Led a data-driven project examining the impact of online learning, applying basic hypothesis testing and analyzing survey responses from a simple random sample of 500 high school students across California with a 95% confidence interval.
- Used Excel to create visualizations, uncovering patterns that supported recommendations shared with 10+ educational and policy leaders.
- Created data visualizations and conducted exploratory data analysis on my collected data in order to prepare a research project

PROJECTS

Predicting Housing Prices with ML and Feature Engineering — Python, NumPy, pandas, scikit-learn

- Developed a linear regression model to predict housing prices, aiming to provide actionable insights for stakeholders like real estate agents and investors by accurately estimating property values based on historical data.
- Analyzed a dataset of 20,000 properties, creating derived features like property age and price per square foot. Leveraged feature selection to identify the most impactful predictors—such as lot size, number of bedrooms, and neighborhood.
- Achieved a RMSE of \$95,000 (within 7% of the median home price) and R^2 of 0.89, demonstrating strong reliability in price predictions.

Music Recommendation System with k-NN — Python, pandas, scikit-learn, t-SNE

- Built a personalized music recommendation system using k-Nearest Neighbors (k-NN) to suggest songs based on user input and song similarity metrics.
- Analyzed a dataset of 170,000+ songs with 14 audio features like danceability, energy, and valence, applying feature scaling and dimensionality reduction techniques such as t-SNE and PCA to improve efficiency and visualization.
- Implemented cosine similarity to identify the most relevant songs, achieving tailored recommendations for users and providing insights into feature-based song clustering.
- Presented results visually through scatter plots and charts, highlighting natural song groupings and validating the model's recommendations.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, C++, HTML, CSS

Developer Tools & Libraries: Git, VS Code, IntelliJ, Excel, pandas, NumPy, scikit-learn, matplotlib, seaborn