

# Antonio James Manso Costello

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## Education

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### BSc Information Science & Data Analytics

Expected May 2026

*San José State University*

*San Jose, California*

- GPA: 3.661/4.0
- Relevant Courses:

+ ISDA 20A Query Languages + ISDA 141 Information Visualization  
+ ISDA 111 Information/Data Science + MATH 15 Statway: Statistics + ISDA 20B Python Programming  
+ ISDA 140 Big Data Analytics Management + ISDA 20D Computer Operating Systems

## Academic Projects & Training

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### Spotify Streaming Data Analysis - Python (pandas, matplotlib):

GitHub:

<https://github.com/ajmanso4/Spotify-DataAnalysis-Top-50-Songs-2023.git>

- Implemented a reproducible workflow including preprocessing, analysis, and visualization (Jupyter, pandas, matplotlib)
- Formulated and addressed structured research questions using ranked streaming data
- Critically assessed data sourcing decisions and constraints affecting analytical reliability

### SQL Data Analysis and Querying – Relational Databases:

GitHub:

<https://github.com/ajmanso4/Query-Languages-Assignments.git>

<https://github.com/ajmanso4/Yelp-Dataset-SQL-Analysis.git>

- Queried and aggregated multi-table relational datasets and verified integrity constraints (SQL)
- Computed descriptive statistics and interpreted behavioral patterns in structured data

### Visualization Critique – Graphic Data Interpretation:

GitHub:

<https://github.com/ajmanso4/Visualization-Critique.git>

- Identified proportional distortion and ambiguous labeling of a visualization
- Specified corrective encoding and design changes to ensure accurate interpretation

### SQL for Data Science UC Davis (Coursera) – Course Certificate (2023)

GitHub:

[https://github.com/ajmanso4/Course\\_Certificate--SQL-for-Data-Science-UC-Davis-Coursera.git](https://github.com/ajmanso4/Course_Certificate--SQL-for-Data-Science-UC-Davis-Coursera.git)

- Wrote SQL queries to filter, sort, and summarize subsets of data across selected columns
- Integrated multiple tables using UNION and JOIN operations and applied string, date, and numeric functions to clean and standardize fields for analysis

## Analytical Competencies

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- Perform data preprocessing and validation to ensure dataset consistency and analytical usability
- Interpret statistical results while communicating uncertainty and methodological limitations
- Construct relational queries and aggregations to analyze structured datasets effectively
- Evaluate visualizations for accuracy, clarity, and appropriate information encoding
- Assess dataset sampling constraints, bias, and limits affecting analytical conclusions

## Languages

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- English (native), Spanish (fluent)

## Interests

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- Geopolitics, baking, cooking, football, cats