

# JEAN PAUL COLLAZO

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LinkedIn | GitHub | Portfolio | Projects

Engineering Management graduate and Data Science M.S. candidate with a UCLA Certificate in Data Science. Experienced in applying SQL, Python, and visualization tools to national-scale projects. Proven ability to apply SDLC and Agile methodologies, improve data integrity, and support data-driven decisions through effective workflow automation and analysis.

## WORK EXPERIENCE

### Data Management Analyst (Hybrid)

December 2023 – Present

Taco Bell Corporation

Irvine, California

- Led data gathering across cross-functional teams to develop SOPs for national and regional database updates, focusing on ETL processes and data accuracy.
- Applied SDLC principles across project lifecycles, from requirements gathering through testing and deployment—for system-wide initiatives.
- Queried, cleaned, and validated PLU (Price Look-Up) data using SQL, ensuring compliance and accuracy across locations.
- Developed Confluence-based SOPs for data entry and franchise-specific discount configurations in new systems.
- Conducted lab testing and managed system data uploads; developed visual assets (POS keys, discount visuals, screensavers) using Retool and AWS S3.
- Managed and prioritized data requests using Asana, Monday.com, and SNOW, ensuring 100% on-time delivery for internal and external stakeholders.
- Mentored new analysts on data quality standards, documentation best practices, and system processes.
- Partnered with Marketing, Operations, Innovation, and Engineering teams to streamline workflows, reducing turnaround time by 35% on national projects.
- Used Agile and Scrum frameworks with tools like Jira and SNOW to enhance team coordination and data project efficiency.

## EDUCATION

### Master of Science in Data Science

Expected: May 2027

California State University, Northridge

### Master of Science in Engineering Management

May 2024

California State University, Northridge

### Bachelor of Science in Engineering Management

May 2020

California State University, Northridge

## RESEARCH EXPERIENCE

### NASA ARCS Research Associate

May 2025 – Present

NASA ARCS - BORACLE: The Oracle for Your Body

- Researching injury prevention and athletic performance using public motion and sensor datasets.
- Building machine learning models to spot signs of overtraining and biomechanical stress early.
- Collaborating with researchers to design ethical, reusable data pipelines for sports AI applications.

## PROJECTS

### Customer Purchase Behavior Analysis with Market Basket Mining | FP-Growth, Apriori, Data Visualization

December 2024

- Analyzed 3M+ Instacart transactions using Pandas and visualized shopping trends, peak hours, and department performance.
- Applied FP-Growth and Apriori to uncover high-lift product bundles, informing targeted promotions and inventory strategy.

### Smart Meter Fraud Detection Creation | Python, Pandas, Matplotlib, tsfresh

December 2024

- Modeled smart meter tampering scenarios and visualized consumption shifts to detect non-technical losses (NTLs).
- Used tsfresh to extract time-series features and flag anomalies, enabling early fraud detection across industries.

## TECHNICAL SKILLS

- Languages:** SQL, Python, R, Java, C++, VBA
- Technologies:** Visual Studio, Retool, Android Studio, Linux, EDM, AutoCAD, AWS S3, Tableau, Power BI
- Databases:** Oracle, Microsoft SQL server
- Tools:** Jira, Confluence, Monday.com, Asana, Slack, SAP ERP, Elo view, SNOW, JMP SAS, Minitab
- Development:** SDLC, Agile, Scrum, ETL, Debugging, Testing, Version Control (Git, GitHub)
- Process, Service Improvement & Optimization:** Six Sigma Tools (DMAIC, 5 Whys, Value Stream Mapping, MSA, DOE, Root Cause Analysis, Fishbone Diagram). Lean Manufacturing, Agile Project Management, Facility Planning, Hypothesis Testing & Interval Confidence, Simulation, Regression, Sensitivity Analysis & Machine Learning and Data Mining with Python.

## CERTIFICATIONS

- Applied Software Engineering Specialization, IBM – May 2025
- Data Science Certificate, UCLA Extension – September 2024
- Six Sigma Green Belt, CSUN – May 2024
- Cybersecurity Professional Certificate, Google – January 2024

## SPECIAL PROGRAMS & HONORS

Artificial Intelligence Summer Camp – Cal Poly DxHub & AWS | Python, LLMs, LangChain, Vector DB

July 2025

- Selected from 900+ applicants to participate in a competitive, fully funded AI development program hosted at Cal Poly San Luis Obispo. Engaged in collaborative projects focused on large language models (LLMs), vector databases, and full-stack AI tools.

#### **ADDITIONAL QUALIFICATIONS**

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- Quick learner with a proactive, collaborative approach and a positive attitude.
- Proven ability to thrive in a fast-paced environment with competing priorities.
- Embrace feedback, reflection and take direction effectively.

#### **LANGUAGES**

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- **English:** Fluent      **Spanish:** Native