

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

- 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

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