

SERGIO CHAVEZ

Denton, TX | (940) 442-2437 | sergiochavez7889@outlook.com | <https://www.linkedin.com/in/sergio-chavez-9a30471b1/> | <https://github.com/ChavezData>

Professional Summary

Data Analyst with hands-on experience in operational strategy and people analytics, including completion of a strategic Amazon externship. Proven track record in leveraging SQL, Python, and BI tools to extract actionable insights, optimize process workflows, and improve organizational efficiency. Skilled at converting complex data sets into clear executive dashboards and strategic recommendations.

Skills

- Power BI, Adaptability and Eagerness to Learn, Understanding of Data Mining Techniques, Proficiency in Excel and Data Visualization Tools, Leadership Skills, Machine Learning, Predictive Analytics, Effective Communication and Reporting, Computer Vision, Mathematics, Natural Language Processing

Education

Triple Ten

2024 - 2025

Data Scientist Bootcamp Certification

- Coursework:** Predictive Analytics for use of past and current data to make informed predictions about future events., Computer Vision for interpreting, understanding, and making decisions based on visual data., Natural Language Processing for learning patterns and structures in language using Machine Learning models.

South University

Feb 2020 - May 2023

Bachelor of Science, Information Technology

Savannah, Georgia

South University

May 2023 - May 2024

Master of Science, Information Systems

Savannah, Georgia

South University

Jul 2024 - Aug 2025

Master of Business Administration

Savannah, Georgia

Work Experience

The Larson Group

Mar 2026 - Present

Test Technician

Denton, Texas

- Diagnostic & Mechanical Testing:** Troubleshoot complex fuel, ignition, electrical, and emissions control systems using specialized electronic testing equipment.
- Post-Repair Validation:** Perform operational and road tests on heavy-duty truck equipment and components upon completion of work to ensure all repairs were executed properly and the customer's problem is fully resolved.
- Detailed Documentation:** Maintain highly detailed records of all troubleshooting steps, diagnostic test results, parts used, and final repair outcomes on assigned repair orders.
- Cross-Shift Communication:** Coordinate with the incoming shift's technicians to advise them of special instructions, safety concerns, or the current status of a vehicle midway through diagnosis or repair.

Extern, Beats by Dre

Jun 2026 - Aug 2026

Qualitative & Quantitative Insights

Remote

- Developed advanced data analysis skills by conducting qualitative and quantitative research to uncover customer insights related to Gen Z trends, behaviors, and preferences for audio devices.
- Leveraged Python, data science libraries, and natural language processing tools like Gemini AI to perform sentiment analysis and visualize consumer feedback across multiple audio device brands.
- Synthesized insights and presented findings through a detailed data dashboard and visual presentations for actionable business strategies.

Extern, Amazon Fulfillment Center

Mar 2026 - Jun 2026

Amazon Operational Strategy & People Analytics

Remote

- Analyzed unstructured employee feedback to identify workforce attrition risks, productivity blockers, and key operational pain points within Amazon Fulfillment Centers.
- Created segmented cohort profiles using qualitative data analysis and thematic coding to surface role-specific challenges and recommend targeted interventions.
- Developed business-ready briefing notes and strategy decks synthesizing frontline insights into actionable operational recommendations.

Natalya Oreste, Real Estate Broker Licensed in the State of Oregon

Oct 2025 - Nov 2025

Remote Data Scientist

- Built a time series forecasting model in Python that projected short- and long-term revenue trends, enabling the sales team to plan inventory and marketing strategies
- Cleaned and transformed multi-year sales transaction data, aligning timestamps, filling missing periods, and adjusting for promotions and holidays, which produced a reliable dataset for accurate forecasting
- Evaluated ARIMA/SARIMA, Prophet, and XGBoost models to capture seasonality, trends, and demand spikes, identifying XGBoost as the most accurate approach for our data
- Tuned model parameters using cross-validation and grid search, improving forecast accuracy and stability.

- Produced clear visual analyses of trends, seasonality, sales cycles, and anomalies in Power BI, helping stakeholders quickly identify patterns and make data-driven decisions

Imperial Fabricating

Apr 2013 - Dec 2025

Assembler

Denton, TX

- Analyzed delivery route data to optimize logistics efficiency, reducing fuel consumption by 15% and delivery times by 20% across 50+ weekly routes
- Implemented an inventory tracking system that improved accuracy by 98%, managing data for over 1,000 SKUs and generating weekly performance reports
- Developed Excel-based reporting system to track delivery metrics, providing data-driven insights that reduced operational costs by \$25,000 annually.

Projects

Healthcare Billing Amount Prediction and Time Series Forecasting

2026

- Healthcare Cost Estimator: Built a Python-based machine learning pipeline that predicts insurance premiums with high accuracy using demographic data.

Employee Attrition Prediction using XGBoost

2026

- Developed a predictive model to identify key drivers of employee turnover using a dataset of 15,000+ records, achieving high accuracy in classifying at-risk employees.

TikTok Video Engagement Analysis: Understanding Virality and Moderation Factors

2026

- Engineered features from video engagement metrics (likes, shares, views) and text data, identifying that claim-based videos typically receive significantly higher engagement than opinion-based content.

Certification

- National Forklift Foundation Forklift Operator Certificate
- Foundations of Data Science: Google
- Get Started with Python: Google
- Go Beyond the Numbers: Translate Data into Insights: Google
- Google Advanced Data Analytics Capstone: Google
- Regression Analysis: Simplify Complex Data Relationships: Google
- The Nuts and Bolts of Machine Learning: Google
- The Power of Statistics: Google
- AWS Fundamentals Specialization: Amazon Web Services
- AWS Cloud Technical Essentials: Amazon Web Services
- Architecting Solutions on AWS: Amazon Web Services
- Migrating to the AWS Cloud: Amazon Web Services