

# ITZARI CALVILLO HERNANDEZ

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## SKILLS

- Machine Learning
- Python
- Microsoft Suite
- PostgreSQL
- Tableau
- Data Visualization
- Exploratory Data Analysis
- Classification/Regression Algorithms
- Predictive Modeling
- Statistical Inference
- Adaptability
- Troubleshooting
- Collaboration
- Curiosity

## ACHIEVEMENTS

**Python Championship, Ranked: 3rd**  
*University of Texas at Austin*

## CERTIFICATIONS

**Verified International Academic Qualifications for B.S., Marketing**  
*WES (World Education Services)*

## LANGUAGES

Spanish --- Native

English --- Advanced

## ELIGIBILITY

US Citizen

## EDUCATION

**University of Texas at Austin** **GPA: 4.24 / 5**  
*PG Dip., Data Science & Business Analytics* 2022-2023

**Universidad del Valle de México** **GPA: 3.91 / 4**  
*B.S., Marketing* 2018-2023

## WORK EXPERIENCE

### Customer Service Rep. & Marketing Manager

*Jorge A Calderon Loan Officer | Remote*

*Start Date: 2019 - 2024*

- Evaluated prospective home buyers' financial status to align them with suitable mortgage programs.
- Maintained proactive communication with clients, facilitating documentation collection for loan applications and refinancing.
- Cultivated enduring client relationships through attentive communication and dedicated customer service.
- Designed bilingual marketing materials for both online and offline channels.

## ACADEMIC PROJECTS

### Machinery Fail Predictive Model

- Conducted EDA on wind turbine data, analyzing failure patterns, variables, and correlations.
- Developed robust predictive models using classification algorithms and evaluation methods.
- Enhanced model performance from 0.73 to 0.82 recall on test data through rigorous validation.
- Deployed a final pipeline achieving 98% predictive accuracy, identifying 83% of failing generators and offering actionable insights for cost optimization.

### Phone Price Analysis & Strategy

- Analyzed used/refurbished phone data to identify key price change variables.
- Maintained dataset integrity by managing missing values and outliers.
- Engineered a linear regression model explaining 84% of data variation without overfitting.
- Validated model assumptions and delivered actionable insights for sales strategy enhancement.