Jose Conde

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EDUCATION

University of Houston – Houston, Texas   **December 2025**

Bachelor of Science in Computer Science, Minor: Mathematics

PROFESSIONAL EXPERIENCE

CougarAI   **May 2024 – Present**

President

- Recruited and engaged 50+ new members while fostering a collaborative and inclusive club culture, leading a team of 20+ officers to execute high-impact events, workshops, and internal initiatives.
- Partnered with corporate outreach teams and external organizations to host industry info-sessions, networking events, and collaborative projects.
- Developed and implemented strategies for club growth, operational efficiency, and officer training, optimizing resources, improving event attendance, and enhancing member engagement and retention.

Wharton County Junior College   **January 2023 - May 2023**

IT Assistant

- Optimized team efficiency by 30% through effective collaboration and streamlined communication with a six-member team.
- Facilitated seamless user support by coordinating with the help desk to resolve 50+ technical issues.
- Provided technical support to over 500 students and staff annually, resolving 90% of hardware, software, and network issues.

SKILLS & CERTIFICATIONS

Languages: Python, R, Julia, SQL

Technologies: Pandas, NumPy, Scikit-Learn, PyCaret, TensorFlow, MySQL, Pyspark, Postgres, Excel, Git, Restful-API, Jenkins

Certifications: NVIDIA Fundamentals of Deep Learning, Hewlett Packard Enterprise Data Science Institute (HPEDSI)

PROJECTS

Chevron Vehicle Prediction | Python, Pandas, Pycaret, Numpy, Scikit-Learn

- Engineered and refined features to improve predictive modeling, including handling missing values (25%+), encoding 10+ categorical variables, and removing multicollinearity.
- Designed and implemented a machine learning pipeline for regression and classification tasks, achieving 98% R^2 for regression and 89% accuracy for classification.
- Validated model performance and interpreted outputs to provide stakeholders with reliable, data-driven recommendations for future operations.

Urban Safety Insights | Python, Pandas, Scikit-Learn, Folium

- Engineered features from raw traffic incident data, improving model performance and uncovering key predictors of accident frequency and severity.
- Optimized data workflows on 100,000+ traffic records, improving model performance and efficiency.
- Delivered interactive maps and actionable insights for urban planning and public safety initiatives.

SmartWatt Energy Forecast | Python, Numpy, Pandas, TensorFlow

- Developed and trained LSTM to forecast residential energy demand and temperature trends with 97% accuracy.
- Conducted model validation using confidence intervals and real-world test datasets to ensure reliability of predictions.
- Translated complex model outputs into business insights, providing stakeholders with energy-saving recommendations and predictive planning strategies.

VOLUNTEER EXPERIENCE

Challenger Program | **Mentor** | Houston, TX   **September 2024 – Present**

SeedAI | **Event Coordinator** | Houston, TX   **October 2024**