

Christian Castro

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EXPERIENCE

Data Scientist

Aug 2023 - Present

NIT Consulting

- **Frito-Lay Employee Attrition Analysis**
 - Developed machine learning models (Random Forest and Logistic Regression) to predict attrition
 - Created models to identify key indicators influencing and produced a course of action to remedy it
- **Century21 Real Estate Analytics**
 - Built a predictive model to identify profitable home features
 - Analyzed market trends to provide insight for pricing strategies across different neighborhoods
- **Anheuser-Busch Case Study**
 - Analyzed data on beers and breweries to gain an understanding of the tastes of different regions and potential market gaps to fill
- **Airbnb Paris Housing Study**
 - Created various prediction models to analyze features like bedroom count, bathroom count, geographical distance from landmarks, to predict which Arrondissement each listing is in and the competitive market rate
 - Used GIS to analyze location data and determine distance from well-known features of Paris

IT Help Desk – Team Lead

Aug 2019 – May 2024

Southern Methodist University

- **Computer Imaging (Aug 2019 – Nov 2020):**
 - Oversaw system imaging, software deployment, and device management across campus
 - Assisted with automation of software installations and network configuration
- **Help Desk Team Lead (Dec 2020 – May 2024):**
 - Managed IT support operations resolving issues pertaining to software, hardware, and networking
 - Developed and maintained knowledge bases and documentation for troubleshooting
 - Gained experience in Active Directory and authentication security using Duo Mobile for system administration

Campus Minister – Part-Time

Aug 2023 – Present

Cru

- Managed a \$70,000 budget and coordinated logistics for a team of 12 to North Africa for 5 weeks in Summer 2023
- Solely led a team of 12 to North Africa for 10 days, managing all finances and logistics in January 2025
- Developed financial strategies and contingency planning for an unpredictable environment
- Gained skills in cross-cultural communication and interpersonal relationship building
- Raised my own pay package with a team of supporters, developing fundraising and financial development skills

Formula SAE – Electrical Team Lead

Aug 2019 – May 2023

Hilltop Motorsports

- Received design and execution acknowledgment from head of body dynamics at Tesla in a competitive presentation
- Led effort to design and build custom wiring harnesses for Peruna III & IV cars, learning circuit design
- Worked cross-functionally with students of varying technical backgrounds to meet technical needs

EDUCATION

Southern Methodist University

Master of Science in Data Science | GPA: 3.7

December 2025

Bachelor of Arts in Religious Studies (Comparative Religion, Christian Tradition)

August 2023

SKILLS

- **Programming Languages:** Python, R, Java, C++, JavaScript, SQL, SAS, HTML, JSON
- **Machine Learning & AI:** Scikit-Learn, TensorFlow, Keras, Pandas, NLTK, PyTorch, Regression, Clustering, Decision Trees, Neural Networks, Natural Language Processing (NLU/NLG), Large Language Models, Generative AI, Deep Learning, OpenAI APIs, Groq, HuggingFace
- **Statistics and Data Science:** Data wrangling, data cleaning, feature engineering, data exploration, model selection, cloud deployment, client communication, experiment design, time series analysis and prediction
- **Database Management:** SQL, NoSQL, MySQL, MongoDB
- **Data Visualization & Web Dev:** Tableau, PowerBI, Processing, P5.js, D3.js, Three.js, Excel, JavaScript, React, Dashboards, ggplot2
- **Cloud, DevOps & Deployment:** AWS (EC2, S3), GitHub, Docker, Google Cloud, Microsoft Azure
- **IT & Support:** Windows & macOS Administration, Microsoft Office and 365, Network Security, Multi-Factor Authentication, Active Directory, Communication and Customer Service