

Christian Macedo

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Objective	Leverage professional knowledge and skills to innovate solutions that address challenges faced by underserved communities nationwide.	
Education	TEXAS A&M UNIVERSITY Bachelor of Science in Computer Science, Minor in Statistics GPA: 3.8	May 2026
Technical Skills	Programming: Java, Python, C++, JavaScript, R, Haskell, SQL, Git, Google Cloud, HTML, CSS Coursework: Data Structures and Algorithms, Computer Systems, Computer Organization, Discrete Math, Programming Languages, Linear Algebra, Statistics	
Experience	Fintech Focus Summer Internship Computer Science Internship <ul style="list-style-type: none">Built full-stack web applications using Flask, Python, HTML, and CSS in teams of 2-4 peopleDeveloped prototypes and Minimum Viable Products that were reviewed by professionals in the FinTech industryAcquired fundamental teamwork and collaborative skills through active participation in project work, contributing to the creation of high-quality products	July 2022
Projects	Real Estate Prediction Model <ul style="list-style-type: none">Developed a real estate market prediction model for Texas counties using Python and machine learning techniques to forecast the number of homes sold at certain price pointsImplemented a linear regression model using scikit-learn to predict home sales, achieving a robust prediction accuracy of 87%Performed extensive data cleaning and feature engineering by handling missing values and removing outliers in variables Parkinson's Prediction Model <ul style="list-style-type: none">Created a Parkinson's disease prediction model using Support Vector Machine with a linear kernel to classify patient health data and determine the presence of Parkinson's disease, achieving an accuracy of 92%Implemented data preprocessing techniques such as standardization using Standard Scaler to normalize features, improving model performance and ensuring that the SVM classifier operates effectively SQL Lite Database Clone <ul style="list-style-type: none">Created a custom database engine capable of handling SQL-like commands, focusing on performance optimization and memory managementUtilized dynamic page allocation and retrieval to handle cache misses and grow the database file as neededDeveloped mechanisms to flush in-memory pages to disk, ensuring data persistence and consistency across sessions	
Activities	Aggie Coding Club <ul style="list-style-type: none">Programmed and constructed a fully functioning miniature rocket using Arduino and C ++Participated in various workshops held by both leaders in the organization and industry professionals to learn about programming languages and computer science careers Aggie Data Science Club <ul style="list-style-type: none">Actively participated in workshops focused on machine learning and data science to enhance expertiseCollaborated on a competitive project involving data analysis and machine learning model training	September 2022 – Present August 2023 – Present
Leadership	North Shore Senior High Anchor Club Historian <ul style="list-style-type: none">Coordinated over 18 community service events across the city of Houston, including school and city-wide initiativesLed groups of up to 40 students per event, managing task distribution and professional conduct	