

Maximiliano Alvarado

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Houston, TX 77075

Education

University of Houston, Houston, TX, USA (BS Mathematics - Data Science, Computer Science Minor 2023)

Work Experience

America Auto and Truck Salvage: Inventory Data Analyst - Houston, TX (May 2020 - Current)

- Experienced in working with a comprehensive **inventory management software** that helps navigate through a **database** that matches car parts to interchange lines and other local businesses.
- **Manage data** with hundreds of car parts, prepare inventory **data analysis reports with SQL**, develop barcodes, and provide customer service.

Total Automotive: Automotive Diagnostic Associate - Houston, TX (June 2017 - August 2019)

- Assisted in **reading, analyzing and documenting** automotive diagnostic scan tool data.
- **Produced code reports** to clients, provided customer service, and fulfilled hands-on repairs.

Projects

www.AldineAmerica.com (May 2023)

- **Developed & deployed** a full-stack website using Angular, MSSQL, ASP.NET Web API, and Plesk Control Panel for a small business.
- Included **database system features** like User Authorization, Data Entry Forms, Data Modification, Data Filter/Search, and more.

Art Museum Database Systems Project (November 2022)

- **Collaborated with a team** to develop a complex database system using Microsoft SSMS and ASP.NET that can be accessed through a full-stack website.
- **Focused on SQL functions** to create User Roles, Data Entry Forms, Data Views, Data Reports, and SQL Triggers, Stored Procedures, and more.

Analysis Report of Gun Violence in America Using Machine Learning (April 2023)

- **Collaborated with a team** modeling a dataset of 638,454 homicide report cases with 24 variables to analyze with machine learning methods and predict if a victim was killed by a gun.
- Focused on using **supervised learning methods** with RStudio like Logistic Regression, Decision Tree, Random Forest to train and validate data.

Extracurricular

- Member of **MAES - Latinos in Science and Engineering** (2019-2023)

Technical Skills

- **Languages:** SQL, R, Python, C++ / C#, HTML / CSS, MATLAB
- **Tech Stack:** PowerBI, Tableau, ASP.NET, Angular, Bootstrap, Microsoft Office Suite, Git

Relevant Coursework

- Data Science & Machine Learning, Data Science & Stats, Database Management Systems, Differential Equations, Data Structures & Algorithms, Programming & Data Structures, Software Design

Foreign Language Skills

- **Fluent** in both English & Spanish (Native Speaker)