

# Maximiliano Alvarado

MaxAlvarado401@gmail.com | US: +1 (832) 803-8061



Houston, TX 77075

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## Education

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

## Work Experience

**America Auto and Truck Salvage: Hollander Specialist - 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 reports, develop barcodes, and provide customer service.

**Total Automotive: Automotive Diagnostic Specialist - 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

## Technical Skills

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