

# Adrian Longoria

## Data Analyst

Corpus Christi ,Tx. United States

Strongmachin3@outlook.com • <https://strongmachine.github.io/>

### MY TECH STACK — Quickly Learns/Learning New Tools & Technique

- Python / Flask Web Development
- HTML5 / CSS3 / JavaScript
- Managing SQL & NoSQL Databases
- Machine Learning (deep learning)
- Creating backend APIs
- Dashboards & Data Visualizations
- Web Scraping
- MongoDB
- Tableau
- Pandas
- AJAX
- Bootstrap
- Big-Data
- VBA
- Excel
- Hadoop
- Apache Spark
- Supervised Machine Learning
- Unsupervised Machine Learning
- Git
- JSON
- R
- Leaflet

### PORTFOLIO PROJECTS/WORK — <https://github.com/strongmachine> - github link for repos

**Geolocation Vs. Covid Analysis and visualization** — *Simple project overlooking the changes the United States went through during the beginning of the pandemic*

- Gathered data together with a team of 4 to present findings through cleaning and analysing csv and json files.
- Used Python/VSCode and Jupyter notebook to clean data/supervised machine learning for elbow curve visuals/ Google slides for presentation.

Hosted the cloud infrastructure & authentication for this project on the Google Cloud Platform

**ETL Solo Project** — *Small project to have and gain experience with extract, transfer, and load procedures for any kind of data set.*

- Extracted data through kaggle gathering csv files for NFL teams and their stadiums and old and new names
- Cleaned data using python/VSCode and uploaded to SQLServer Database.
- Created tables and columns using python before import of data so it can be queried automatically after upload.

**Texas Deep Freeze Analysis Team project** — *Users can look at certain timelines through a timescale slider and see what events were being talked about during that certain time of the Texas freeze of 2021*

- Used flask to scrape sites pertaining to texas freeze and various routes to call on database
- Wrote various flask routes to call on certain pages for the html to run correctly and return pages that were chosen by the user.
- Edited html to fit data and to run flask application seamlessly with our data.
- Upload dataset using mongoDb.

**Face Recognition Application project** — *created and launched an application through a team effort for class final project.*

- Used Convolutional Neural Network for analyzing visual imagery
- OpenCv and dlib libraries used
- Training and fitting visual data with models to detect 15 key facial features on the human face
- Launch final product for demo <https://jakewmayfield.github.io/TAOCYFFF/>

## EDUCATION

**Data Analysis BootCamp**, July 2021 – January 2022

Rice University, Houston, Tx.

- Data Analysis — Completing a 6 month bootcamp, working with databases, back-end API's, big/small data, productization, and continuous integration & deployment.
- Machine Learning — Gained hands-on experience by engaging with machine learning and being able to understand unsupervised learning, natural language processing, & neural networks.

## CERTIFICATIONS

- Data Analyst- Currently working on certification (Jan 11. 2021 graduation date)

## EXPERIENCE

- Hands on training and understanding currently in progress while enrolled at Rice University.
- Project leader on 2 of 3 projects during project assignment weeks and have been very successful under my supervision.
- Various leadership positions in current trade and have 7 years experience in these roles
- Leadership positions are being lead lineman for crew of 4 and Forman position for a crew of 3 and 4.