

## **Adrian Longoria**

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Github: <https://github.com/strongmachine>

### **Summary**

Disciplined, aspiring data analyst searching to be a part of a great data analytics team with a background in powerline construction. Collaborated across diverse groups from my many years in the workforce, which makes me a valuable addition to any team. Recognized as resourceful, proficient, productive and hardworking. Can communicate with any diverse audience or in any team collaboration. Efficient in problem solving simple or complex problems. Graduate of Rice Data Visualization Boot Camp through Rice University.

### **Technical Skills**

**Tools:** Python, R, Apache Spark, Tableau, Excel, Jupyter Notebook, VS Code, Machine Learning, Deep Learning, HTML5, CSS3, Javascript, VBA, Hadoop, Supervised and Unsupervised Machine Learning, Git, SQLAlchemy.

**Databases:** SQL and NoSQL, MongoDB, AWS, PostgreSQL, GoogleMaps.

### **Projects**

#### **Geolocation Vs. Covid Analysis and Visualization | Github:**

<https://github.com/strongmachine/GeoLocation-Vs-Covid-Analysis-and-Visualization/tree/Adrian>

- Make visualization of time shift correlations in the United States, and to gather data on the stock market on when it started to predict when covid was going to be a major problem in the country.
- Small role during this project and gathered cited works and resources, also designed and made front end presentation slides and presentation order and talking points of results.
- Python, VS Code, Git and Jupyter Notebook used in this process. Small amount of machine learning was used.

### **ETL the NFL | Github:**

[https://github.com/strongmachine/Extract Transform Load the NFL](https://github.com/strongmachine/Extract_Transform_Load_the_NFL)

- Small solo project performing the ETL process to gain experience in repeating this process with any kind of database.
- Solo on assignment and extracted data through kaggleDB and scraped through various NFL teams for stadiums with new and old names. Cleaned and transformed data loaded into a SQLserver Database.
- Python, VS Code, SQLalchemy, and SQLserver, Git.

### **Texas Deep Freeze Analysis | Github:**

<https://github.com/mdebone/project3theFreeze>

- Analysis of the coldsnap Texas experienced in 2021 and visualizing with a time slider in order to understand the timeline of events.
- Responsibilities included building Flask app, and constructing website layout, editing pages and gathering pictures for images section in the website.
- Python, HTML5, Javascript, CSS3, Flask, VS Code.

### **Face Recognition Application | Github:**

<https://github.com/strongmachine/TAOCYFFF>

- Created an app similar to snapchat filtering for facial recognition using CNNs to analyze visual imagery in image databases.
- Simple role of finding facial filters to apply to code and get camera to work with application. Work with openCV library, Dlib and help with training models for recognizing 15 key facial features on the human face.
- Python, Pandas, Numpy, Jupyter Notebook, Haar, Dlib, OpenCV Google Colab, Google Slides, Git.

## Experience

**Forman**  
Chain Electric

**2019-2021**  
Corpus Christi, Tx.

- Started as a lineman in the company and quickly moved to a leadership role. .
- In charge of a crew of 4 and utilized very understandable communication in order to not have any life threatening accidents on site.
- Worked with members of the crew using my own methods of discovering what strengths and weaknesses each member had.
- Very calm and thrives under constant pressure, and has developed a huge attention to detail in this role.
- Always had to plan ahead and look at the big picture in order to not have loss of life on a certain task.
- Received recognition for zero accidents for the entire year on (AEP Texas) customer properties.
- Constant critical thinking was used on every facet of this leadership role.
- Worked with a very diverse group of people constantly from different customers and even other crews on some projects.
- Intense problem solving was used on mostly every job task, and also used a lot of time management in order to be productive and make deadlines.
- Made profit for the company while in this position every week and utilized computer knowledge in order to be more efficient in productivity reports due every end of work week.

## **Education**

**Certificate in Data Analytics:** Rice University, Houston, Tx. , July 13th 2021 - January 11th 2022.

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.