FILIBERTO AGUILAR MATA

CONTACT

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SUMMARY

Aspiring data scientist experienced in R&D of diagnostic analyzers and customer support as an engineering technician. Excel in multidisciplinary team environments. Greatly experienced in Python, data wrangling, EDA, and machine learning.

EDUCATION

Springboard Data Science Career Track ·
May 2018 to Current
Certification 2018

University of North Texas ·
Aug. 2014 to May 2018
B.S. Biomedical Engineering 2018
Magna Cum Laude

SKILLS

TECHNICAL	PACKAGES	STATISTICAL
Python	Pandas	Classification
Feature Engineering	Numpy	Regression
Modeling	Matplotlib	Clustering
Data Cleaning	Seaborn	Hypothesis Testing
Data Analysis	Scipy	
Web Scraping	Scikit-Learn	
NLP	bs4	
	NLTK	
	Spacy	

VOLUNTEERING

CitySquare · Food on the Move Volunteer
June 2017 to Aug. 2017 ·
Various locations around Dallas
Provided free meals to minors in underprivileged communities throughout the summer. Many of which were dependent of their school for meals.

EMPLOYMENT

Springboard Data Science Career Track
Student · May 2020 to Current
500+ hours of hands-on course material, with 1:1 industry expert mentor oversight, and completion of 2 in-depth portfolio projects. Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning.

Abbott Laboratories
Irving, Texas
Engineering Technician · July 2018 to Current
Actively involved in increasing the reliability for Alinity s, c and i analyzers through TSB implementation and system integration investigations. Go-to technician for PM service of 8 analyzers.
• Electrical-mechanical system troubleshooting
• Hardware and software prototype verification testing support
• High volume assay testing
• Strong understanding of SOPs and GMPs in FDA regulated lab environment

El Centro Community College
El Centro Community College
Math Tutor · June 2016 to Aug. 2016
Tutored students in various math courses during summer semester. Courses included:
• Algebra, Geometry, Calculus 1 - 3
• Physics 1 and 2

PROJECTS

Sentiment Analysis of Game Reviews for RPGs, Shooters and Sports Games
Oct. 2020 to Nov. 2020
Created classification model to assess what gamers enjoyed and disliked the most of certain game genres. Reviews were scraped off Metacritic and explored using various NLP techniques. Inspiration for the project: difficulty in finding similar, lesser known games within the RPG genre.

Personality Profile Nicotine Consumption Risk Assessment
July 2020 to Sept. 2020
Created a binary classification model to predict a person's risk of smoking based on their OCEAN personality traits. Best model had an AUC = 0.81, F beta score was adjusted for recall to reduce the number of predictions of actual smokers as not smokers. Inspirations for the project: smoking is the leading cause of preventable death in the U.S. and personal intrigue of personality traits/tests.