

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

Python
Feature Engineering
Modeling
Data Cleaning
Data Analysis
Web Scraping
NLP

PACKAGES

Pandas
Numpy
Matplotlib
Seaborn
Scipy
Scikit-Learn
bs4
NLTK
Spacy

STATISTICAL

Classification
Regression
Clustering
Hypothesis Testing

VOLUNTEERING

CitySquare · Food on the Move Volunteer ·
Various locations around Dallas ·
June 2017 to Aug. 2017

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 Gamers for RPGs, Shooters and Sports Games

Oct. 2018 to Nov. 2018

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 2018 to Sept. 2018

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.