

MOISES FIGUEROA

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SUMMARY

Recent graduate of an intensive Data Science program that focused on machine learning, python programming for data analysis, SQL, and predictive modeling.

SKILLS

TOOLS: Python, Jupyter Notebook, Pandas, DataFrames, SQL, Excel, Tableau, Numpy, Seaborn, Matplotlib, GitHub, Slack, Teams, Databases

DATA ANALYSIS: Machine Learning, Predictive Analysis, Tableau, Statistics, Data Analytics, Data Visualization, Data Cleaning, Model Validation, Exploratory Analysis, Hypothesis Testing, Supervised Learning, Image Classification, Data Modeling, Model Evaluation, Data Analysis, Complex SQL querying

CERTIFICATIONS: MOS 77-728: Microsoft Office Specialist: Microsoft Excel 2016 Expert, MTA 98-364: MS SQL Server DB Fundamentals, Tableau Desktop Specialist

PERSONAL PROJECTS

Predicting Tennessee Graduation Rates

- Using features of Tennessee High Schools such as demographics, expenditure per pupil, and chronic absenteeism data, a model was developed to predict graduation rates
- The motivation behind this project was to identify schools that were at-risk so that preemptive measures could be provided to possibly increase future graduation rates
- After testing out multiple models, the result was a Ridge Regression model that had a mean absolute error of ~2.5%
- Tools: Python, Pandas, Sklearn, Matplotlib, Numpy, Pickle
- Analytical Methods: Regression, Random Forest, Data Cleaning, Preprocessing, Modeling, Exploratory Analysis, Data Visualization, Cross Validation, Model evaluation

Facemask Detection

- Designed a Convolutional Neural Network to detect if a face is wearing a facemask
- In 2021 CDC issued a legal mandate that requires all transportation operators to use best efforts to ensure all passengers are wearing masks; the goal of this project was to create a model to automatically detect facemasks to lessen the workload of these operators
- The result of modeling was a Convolutional Neural Network that achieved 98% accuracy on test data
- Tools: Python, Pandas, Keras, Numpy
- Analytical Methods: Image Classification, Data augmentation, Convolutional Neural Networks, Deep learning

WORK HISTORY

TrialWorks, *Software Support Specialist*, Coral Gables, FL

09/2018 - 02/2019

- Provided End User Support for the leading Case Management Software for plaintiff-focused law firms
- Developed and maintained internal documentation of resolutions to user issues to enhance future support
- Maintained TrialWorks user and Microsoft Server accounts in accordance with company policy
- Handled over 10 support tickets daily to address and resolve proprietary software issues as well as issues encountered in users cloud environments
- Aided and educated non-technical users on various aspects of the product

EDUCATION

Florida State University

07/2012 - 12/2017

Bachelor of Science, Computer Science

Minor, Mathematics

GPA: 3.57/4.0

Springboard Bootcamp

10/2020 - 04/2021

Data Science Career Track