JURGEN ARIAS

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DATA SCIENTIST

PROFILE

I am a Data Scientist that brings the perfect combination of hard work, perseverance and efficiency. As a theoretical mathematician, I love to analyze and find practical solutions to any problem. During my 10+ years of tutoring experience, I have gathered the necessary tools to explain complex concepts in basic terms. I see math and data science problems as fun games … and I love playing games

SKILLS

Python, Pandas, Machine Learning, SKLearn, Matplotlib, Seaborn, Keras, SQL, MongoDB, JavaScript, NLP, Flask, Git, Tableau, Tensorflow, Big Data, AWS, Problem-Solver, Efficient, Persistent, Fluent in Spanish

PROJECTS

Completed over 20 labs and 6 projects leveraging data science best practices to solve real-world problems using Python

Built Feedforward Neural Networks and Convolutional Neural Networks for voice classification. Predicted a speaker from 115 different ones with a 99.8% accuracy

Built several binary classification models using Natural Language Processing (NLP) and reddit's API to classify over 150k posts. Achieved an accuracy of 95% on test data

Used Google Street View, Google Geolocation and Zillow APIs to develop a flask web app to help FEMA in assessing property damage after a natural disaster

EXPERIENCE

Teaching Assistant for Trilogy at John Hopkins University
07/2020 - Present

Assist students in a 6 month Data Analytics Boot Camp
Advanced Excel with VBA, Python, Pandas, Numpy, R
JSON, API, Beautiful Soup, Flask
Managed HTML, CSS, JavaScript, D3
SQL, PostgreSQL, SQLAlchemy, MongoDB
Matplotlib, Tableau, Plotly, Mapbox
Statistics, Machine Learning Models, Deep Learning, Big Data, AWS
Keras, Tensorflow

General Assembly, Data Science Immersive Bootcamp Student
09/2019 – 12/2019, Washington D.C.
Applied data analysis and data visualization skills in a 500-hour immersive course

Mathematics Lab Supervisor
12/2010 - 06/2013, Northern Virginia Community College (NVCC)
Hired, trained, scheduled and supervised over 50 tutors
Managed the $90k yearly budget and approved timesheets
Created analytical dashboards for student performance and lab usage
Briefed reports to various stakeholders throughout NVCC

Soccer Referee - District Sports, Washington D.C.
08/2010 - Present

EDUCATION

Data Science Immersive - General Assembly, Washington D.C. - 12/2019
B.S. in Mathematics, Virginia Tech, Blacksburg, VA - 05/2009