JUSTIN NAPOLITANO

Open source intelligence specialist seeking role requiring analytic skill set. Proficient in feature extraction, integrating data with existing workflows, and visualizing data for peer reviewed academic papers.

CONTACT

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Q Houston, Texas

inapolitano.io

justin-napolitano

in justin-napolitano

SKILL TREE

Programming Python Bash C HTML/CSS LaTeX Markdown reStructuredText Go Javascript

Software & Tools

Scala

Jupyter	
Sphinx Documentation	
Git/GH	
Docker	
Vim	
Metasploit Framework	
Nmap	
K8s	
pyTest	

Data Handling and Analysis

Pandas	
Statsmodels	
SAS	
Matplotlib	
PySpark	
Networkx	••••
TensorFlow/Keras	

Database

Spanish

French

Cantonese

JanusGraph/Gremlin Neo4j SQL	
Languages English	••••

EXPERIENCE

Application Developer

May 2021 — Present

BTJN, LLC

Houston, Texas

- Data Integration: Integrated data into client's existing Google Sheets workflow.
- Data Mining: Developed Python application to mine greater than 250,000 sales leads.
- Data Transformation: Transformed records to client's data format with PySpark.
- Data Warehousing: Stored historical data in Neo4j warehouse.
- Sales Forecasting: Modeled retail sales with Statsmodels API.

Research Lead/Author

Jan 2017 - Aug 2019

University of Central Florida

Orlando, Florida

- Feature Extraction: Standardized feature extraction methodology from news wires.
- Inferential Analysis: Identified features correlated with increased event probability.
- Data Visualization: Visualized P.O.L.E graph with Matplotlib.

Research Assistant

Jan 2017 - Jan 2018

University of Central Florida

Orlando, Florida

- Sentiment Analysis: Automated sentiment analysis of sentences with Python.
- Data Verification: ANOVA tested human scoring against automated scoring.
- Data Management: Standardized data aggregation and storage procedures.

EDUCATION

Bachelor Political Science

Aug 2018

University of Central Florida

Orlando, Florida

CERTIFICATES

Python Specialization

May 2020

University of Michigan

Coursera

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PROJECTS

Journal.Jnapolitano.io

Nov 2021 — Present

- Commercial Research: Identifying the structural factors influencing commerce.
- Meta Data Mining: Extracting features from the Library of Congress API.
- Tensorflow Behavioral Prediction: Predicting Supreme Court outcomes with TensorFlow.
- Static Web Site Generation: Creating websites with Sphinx and the Jupyter Book.
- Python Tools: Releasing Python tools to interface with Neo4j, JanusGraph, and Google APIs.

PUBLICATIONS

Turkish Kurdish Analysis Database

- Peace Economics, Peace Science and Public Policy vol 25, no. 4, pp. 36
- Demet Mousseau, **Justin Napolitano**, Alex Olson

COMPETENCIES

Legal ResearchPython DevelopmentSales ForecastingBehavioral AnalysisFeature ExtractionSocioeconomic ResearchProject ManagementInferential StatisticsSentiment AnalysisData VisualizationEconomic ModelingEthnographic Research