JUSTIN NAPOLITANO

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

CONTACT

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SKILL TREE

Programming

Skill	Level
Python	●●●●●○
Bash	●●●●○○
C	●●●●○○
HTML/CSS	●●●●○○
LaTeX	●●●●○○
Markdown	●●●●○○
reStructuredText	●●●●○○
Go	●●●○○○
Javascript	●●●○○○
Scala	●●●○○○

Software & Tools

Skill	Level
Jupyter	●●●●○○
Sphinx Documentation	●●●●○○
Git/GH	●●●○○○
Docker	●●●○○○
Vim	●●●○○○
Metasploit Framework	●●●○○○
Nmap	●●●○○○
K8s	●●○○○○
pyTest	●●○○○○

Data Handling and Analysis

Skill	Level
Pandas	●●●●●○
Statsmodels	●●●●○○
SAS	●●●●○○
Matplotlib	●●●○○○
PySpark	●●●○○○
Networkx	●●○○○○
TensorFlow/Keras	●●○○○○

Database

Skill	Level
JanusGraph/Gremlin	●●●○○○
Neo4j	●●●○○○
SQL	●●●○○○

Languages

Language	Level
English	●●●●●
Spanish	●●●○○
French	●●○○○
Cantonese	●●○○○

EXPERIENCE

Application Developer — May 2021 — Present
BTJN, LLC — *Houston, Texas*

- **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.

Author/Project Leader — Jan 2017 — Aug 2019
University of Central Florida — *Orlando, Florida*

- **Data Visualization**: Visualized P.O.L.E graph with Matplotlib.
- **Feature Extraction**: Standardized project's feature extraction methodology.
- **Inferential Statistics**: Identified features correlated with increased event probability.
- **Project Management**: Trained team members to query databases and collect data points.

Research Assistant — Jan 2017 — Jan 2018
University of Central Florida — *Orlando, Florida*

- **Data Management**: Managed team data aggregation, verificaiton, and storage procedures.
- **Data Verification**: ANOVA tested human scoring against automated scoring.
- **Sentiment Analysis**: Automated sentiment analysis of sentences with Python NTLK.

EDUCATION

Bachelor Political Science — Aug 2018
University of Central Florida — *Orlando, Florida*

CERTIFICATES

Python Specialization — May 2020
University of Michigan — *Coursera*

PROJECTS

Journal.Jnapolitano.io — Nov 2021 — Present

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

PUBLICATIONS

Turkish Kurdish Analysis Database

📖 *Peace Economics, Peace Science and Public Policy vol 25, no. 4, pp. 36*

👥 Demet Mousseau, **Justin Napolitano**, Alex Olson

📅 2019   🔗 DOI

COMPETENCIES

Legal Research · Python Development · Sales Forecasting · Behavioral Analysis · Feature Extraction · Socioeconomic Research · Project Management · Inferential Statistics · Sentiment Analysis · Data Visualization · Economic Modeling · Ethnographic Research