JUSTIN NAPOLITANO

Open source intelligence specialist seeking role requiring analytic skill set. Experienced in developing work flows with Python, SAS, and SPSS. Proficient in feature extraction, integrating data with existing workflows, 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	●●●○○
Scala	●●●○○
Go	●●○○○

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

Skill	Level
English	●●●●●
Spanish	●●●○○
French	●●●○○
Cantonese	●●○○○

Operating Systems

Skill	Level
Linux	●●●●○
MacOS	●●●●○

EXPERIENCE

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

- **Sales Forecasting**: Modeled retail sales with Statsmodels API.
- **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.
- **Data Integration**: Integrated data into client's existing Google Sheets workflow.

Research Lead/Author — Jan 2017 — Aug 2019
University of Central Florida — *Orlando, Florida*

- **Feature Extraction**: Standardized feature extraction and storage methodology.
- **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 AND CERTIFICATES

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

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

PROJECTS

Journal.Jnapolitano.io — Nov 2021 — Present

- **Meta Data Mining**: Extracted features from the Library of Congress API.
- **Tensorflow Behavioral Prediction**: Predicted voting behavior with artificial intelligence models
- **Static Web Site Generation**: Created websites with Sphinx and the Jupyter Book.
- **Python Tools**: Releasing Python tools to interface with Neo4j, JanusGraph, and Google APIs.

AREAS OF INTEREST

Python Development · Sales Forecasting · Behavioral Analysis · Data Mining · Feature Extraction · Research · Project Management · ETL · Inferential Statistics · Sentiment Analysis · Data Visualization · Sports Analysis · Economic Modeling

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*