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

- Python ●●●●○
- Bash ●●●○○
- C ●●●○○
- HTML/CSS ●●●○○
- LaTeX ●●●○○
- Markdown ●●○○○
- reStructuredText ●●○○○
- Scala ●●○○○
- Go ●●○○○

Software & Tools

- Jupyter ●●●●○
- Sphinx Documentation ●●●●○
- Git/GH ●●●○○
- Docker ●●●○○
- K8s ●●●○○
- Vim ●●○○○
- Metasploit Framework ●●○○○
- nmap ●●○○○
- pyTest ●●○○○

Data Handling and Analysis

- Pandas ●●●●○
- Statsmodels ●●●○○
- SAS ●●●○○
- Matplotlib ●●●○○
- PySpark ●●○○○
- Networkx ●●○○○
- TensorFlow/Keras ●●○○○

Database

- JanusGraph/Gremlin ●●●○○
- Neo4j ●●●○○
- SQL ●●●○○

Languages

- English ●●●●○
- Spanish ●●●○○
- French ●●○○○
- Cantonese ●●○○○

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 10,000 unfiltered sales leads weekly.
- **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 that correlate 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**: Extracting features from the Library of Congress API.
- **Tensorflow Behavioral Prediction**: Predicting voting behavior with artificial intelligence
- **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.

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*