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

Software & Tools
- 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
- JanusGraph/Gremlin
- Neo4j
- SQL

Languages
- English
- Spanish
- French
- Cantonese

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*

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

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