

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
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

BTJN, LLC

May 2021 — Present

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

University of Central Florida

Jan 2017 — Aug 2019

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

University of Central Florida

Jan 2017 — Jan 2018

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

University of Central Florida

Aug 2018

Orlando, Florida

CERTIFICATES

Python Specialization

University of Michigan

May 2020

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