

# 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 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, verification, and storage procedures.
- **Data Verification:** ANOVA tested human scoring against automated scoring.
- **Sentiment Analysis:** Automated sentiment analysis of sentences with Python.

## 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