

# 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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- 👤 Justin Napolitano

## 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