

(832)299-0372
Houston, Texas
justin@jnapolitano.io

Justin Napolitano

Data Analyst / Data Architect/ Developer

GitHub: justin-napolitano
LinkedIn: 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.

EXPERIENCE

Application Development

BTJN, LLC

May 2021 — Present

Houston, TX

- Modeled retail sales with SARIMA, Holt-Winter, and Exponential Smoothing models with Statsmodels API.
- Developed Python application to mine 10,000 unfiltered sales leads weekly.
- Extracted data from REST API.
- Transformed results with PySpark.
- Loaded data to Neo4j backend.
- Integrated data into client's existing Google Sheets workflow.

Research Lead/Author

University of Central Florida

Jan 2017 — Aug 2019

Orlando, FL

- Led team to publish work in the Journal of Peace Economics, Peace Science and Public Policy.
- Prepared presentation for peer review at the Peace Science Conference at the Hague.
- Standardized feature extraction and storage methodology.
- Integrated data to mongoDB.
- Completed inferential analysis with Pandas.
- Visualized results with Matplotlib.

Research Assistant

University of Central Florida

Jan 2017 — Jan 2018

Orlando, FL

- Automated sentiment analysis of sentences with Python.
- Verified user scored sentences against programitic scores with ANOVA testing.
- Standardized data aggregation procedures.

SKILLS

Tools and Languages: Azure, Bash, C, Git, Debian, Flask, Python, LaTeX, Markdown, RHEL, reStructuredText, Scala, Sphinx
Data: JanusGraph, Matplotlib, Neo4j, Networkx, Pandas, PySpark. SAS, SciPy, Statsmodels, SPSS, SQL
Machine Learning: Keras, TensorFlow
Communication: Cantonese, English, French, Spanish, Sranan Tongo

PROJECTS

Docs.Jnapolitano.io

- Sphinx and Latex project documentation.
- Static website generation with Sphinx and Jupyter Book Theme.
- Open source Python tools to interface with Neo4j, JanusGraph, and Google APIs.

Court-Behavior.io

- Open Source project to study the voting behavior of the United States Supreme Court.
- Legal Analysis of jurisprudence and judicial opinions.
- Meta Data mining and feature extraction with Python and Networkx.
- Behavioral predictions with TensorFlow.

Journal.Jnapolitano.io

- Political, business, legal analysis papers.
- Developer tutorials.
- Python alogorithm and data structure reference.

EDUCATION

Bachelor of Arts in Political Science , University of Central Florida

Aug 2018