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Justin Napolitano

Data Analyst / Data Architect / Developer

GitHub: justin-napolitano
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Web: jnapolitano.io

- 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

- **Sales Forecasting:** Modeled retail sales with SARIMA, Holt-Winter, and Exponential Smoothing models with Statsmodels API.
- **Data Mining:** Developed Python application to mine greater than 250,000 leads.
- **Data Transformation:** Transformed results to client's data format with PySpark.
- **Data Warehousing:** Stored historical data in Neo4j warehouse.
- **Data Integration:** Integrated data into client's existing Google Sheets workflow.

Research Lead/Author

University of Central Florida

Jan 2017 — Aug 2019

Orlando, FL

- **Article Publication:** Publish work in the Journal of Peace Economics, Peace Science and Public Policy.
- **Peer Review:** Prepared presentation for peer review at the Peace Science Conference at the Hague.
- **Feature Extraction:** Standardized feature extraction and storage methodology.
- **Data Integration:** Warehoused data to mongoDB.
- **Inferential Analysis:** Identified socio-economic features correlate with increased event probability.
- **Data Visualization:** Visualized P.O.L.E with Matplotlib.

Research Assistant

University of Central Florida

Jan 2017 — Jan 2018

Orlando, FL

- **Sentiment Analysis:** Automated sentiment analysis of sentences with Python.
- **Data Verification:** ANOVA tested human scored sentences against automated scoring.

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

- **Project Documentation:** Recording project documentation with Markdown, reStructuredText, and LaTeX.
- **Static Web Site Generation:** Creating websites with Sphinx and the Jupyter Book Theme.
- **Python Tools:** Releasing open source Python tools to interface with Neo4j, JanusGraph, and Google APIs.

Journal.Jnapolitano.io

- **Article Publication:** Publishing political, business, legal analysis papers.
- **Meta Data Mining:** Extracting features from the Library of Congress API.
- **Behavioral Prediction:** Predicting voting behavior with TensorFlow and the United States Supreme Court Database.
- **Developer Tutorials:** Writing tutorials for developer tools and programming languages.
- **Python Reference:** Collecting algorithms and data structures to implement in future projects.

EDUCATION

Bachelor of Arts in Political Science , University of Central Florida

Aug 2018