Justin Napolitano

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Open source intelligence specialist seeking employment in role requiring analytic skill set and strong research ability. Experienced in developing analytic work flows with Python, SAS, and SPSS. Possess knowledge of creating research methodology, managing data integration, and visualizing data for peer reviewed academic papers.

Experience

- **BTJN, LLC** — Houston, TX
  Data Specialist — *May 2021 - Present*
  - **Application Development**: Developed Python application to programatically produce 10,000 unfiltered sales leads weekly.
  - **ETL Pipelines**: Transformed, filtered, and loaded data from CSV, JSON, and Excel formats to Neo4j database. Integrated data into client's existing Google Sheets workflow with custom Google API class.
  - **Business Reporting and Sales Predictions**: Modeled retail sales with the SARINA, Holt-Winter, and Exponential Smoothing models in Python and Jupyter Notebooks. Identified model of greatest predictive power.
- **University of Central Florida** — Orlando, FL
  Research Lead — *Jan 2017 - Aug 2019*
  - **Research Design**: Ensured rigor of data collection methodology by meeting industry best practices.
  - **Database Design**: Defined a third normal database to maintain logical consistency. Refined data to facilitate porting to person, object, location and event (POLE) schema.
  - **Data Integration**: Standardized integration procedures to verify integrity of files generated by research assistants. Transformed data from Excel and CSV sources into JSON format to index into a noSQL database.
  - **Data Analysis**: Analyzed conflict data with Pandas. Visualized data with MatPlotLib. Prepared presentation peer reviewed at the Peace Science Conference at the Hague, Switzerland.
  - **Project Management**: Developed manuals to train inexperienced research assistants to query primary sources and code data points. Led team to achieve project goals prior to deadlines defined in our grant.
- **University of Central Florida** — Orlando, FL
  Research Assistant — *Jan 2017 - Jan 2018*
  - **Data Integration**: Aggregated data points generated by student research assistants into database with Python.
  - **Automated Sentiment Analysis**: Compared user scored sentences to programmatic scoring to identify errors.

Projects

- **Predicting Behavior of the United States Supreme Court**: Analysis of text and prediction of Supreme Court voting behavior with TensorFlow, SPSS, and inferential statistics.
- **Data Application**: Extracting and transforming web data from REST API and HTML source with Python. Loading data to Neo4j and JanusGraph backends.
- **World Trade Organization's Influence on Commerce**: Analysis of international trade law to identify the governents and systems that dominate international commerce.

Education

- **University of Central Florida** — Orlando, Fl
  Bachelor of Arts in Political Science — *August 2018*

Skills

- **Technologies**: Graph Database, Jupyter, LaTeX, MatPlotLib, Pandas, Python, SAS, SPSS, SQL, TensorFlow.
- **Data Modeling and Analysis**: Sales Forecasting, Political Analysis, Business Analysis, Data Visualization.
- **Spoken Languages**: Cantonese, English, French, Spanish.