JUSTIN NAPOLITANO

Open source intelligence specialist experienced in feature extraction, data integration, and data visualization. Seeking opportunity to build and analyze data pipelines.



CONTACT

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justin-napolitano

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EDUCATION

Bachelor Political Science Aug 2018
University of Central Florida Orlando, Florida

CERTIFICATES

Python Specialization February 2020
University of Michigan Coursera

TECHNICAL SKILLS

Programming

Python C GoLang Java Javascript Scala

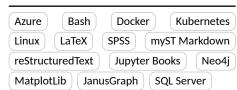
Data Handling and Analysis

Pandas SAS (Statistical Analysis System) Statsmodels SQL PySpark



English French Spanish Cantonese

SOFTWARE AND TOOLS



CORE COMPETENCIES

Legal ResearchBehavioral AnalysisData MiningSocioeconomic ResearchInferential StatisticsEconomic Modeling

EXPERIENCE

Data Pipeline Integrator

May 2021 — Present

RTIN IIC

Houston, Texas

- Mined data from Rest API to generate 250,000 qualified sales leads. Identified most valuable targets for client's marketing strategy.
- Stored historical data in Neo4j warehouse to quickly scale. Created workflow trees for crawlers to autonomously mine data.
- Integrated data with PySpark and Google Drive API to Google Sheets workflow from Neo4j backend. Improved pipeline efficiency by 95 percent.

CRM Developer

October 2019 — February 2021

BTJN, LLC

- Deployed a custom CRM solution to automate email communication and sales funnels.
- Provisioned an Azure SQL Server to interface with Microsoft Office workflows.
- Completed data transformation and integration to local MySQL server with Pandas scripts to increase workflow efficiency and value.

Sales Analysis and Reporting Intern

January 2020 — August 2020

Cox Oil Company

- Forecasted sales by item for 57 retail stores with Statsmodel API to streamline inventory procedures.
- Piloted Microsoft SQL Server Python wrapper application to generate common sales reports for store managers.

Research Lead and Data Architect

Jan 2018 - Aug 2019

University of Central Florida

Orlando, Florida

- Standardized feature extraction methodology to enable research assistants to code data points with minimal training.
- Implemented a third normal database to distribute data for publication.
- Identified demographic and socioeconomic features correlated with increased event likelihood.

Research Assistant

Jan 2017 — Jan 2018

University of Central Florida

Orlando, Florida

- Managed team data coding, verification, and storage procedures for Cambridge University Press published article.
- Automated sentiment analysis of sentences with Python NLTK

PROJECTS

- US Supreme Court Metadata Graph: Mined text data from the Library of Congress API to cluster cases by political issue area.
- Tensorflow Prediction Paper: Predicted Supreme Court outcomes with TensorFlow.
- Python Tools: Published Python tools to interface with Neo4j, JanusGraph, and Google APIs.
- journal.jnapolitano.io: Self hosted articles of personal interest.

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

