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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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	●●●○○
Go	●●○○○
Java	●●○○○
Javascript	●●○○○
Scala	●●○○○

Data Handling and Analysis

Pandas	●●●●○
SAS (Statistical Analysis System)	●●●○○
Statsmodels	●●●○○
SQL	●●●○○
PySpark	●●●○○
NetworkX	●●○○○
TensorFlow/Keras	●●○○○

Communication

English	●●●●●
French	●●●○○
Spanish	●●●○○
Cantonese	●●○○○

SOFTWARE AND TOOLS

Azure · Bash · Docker · K8s · Hugo
Linux · FreeBSD · HTML/CSS · LaTeX
Markdown · pyTesseract · Pillow
reStructuredText · Jupyter · Sphinx
Git/GH · Docker · Vim · PyTest
MatplotLib · Neo4j · JanusGraph · Flask
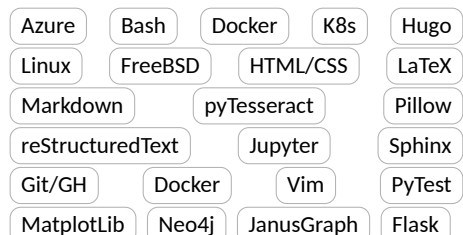
EXPERIENCE

Data Pipeline Integration   **May 2021 — Present**
BTJN, LLC   *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 pipeline nodes for crawlers to autonomously mine data.
- Integrated data with PySpark and Google Drive API to client's Google Sheets workflow from Neo4j backend. Improved pipeline efficiency by 500 percent.

CRM Development   **January 2021 — May 2021**
BTJN, LLC
- Deployed a custom CRM solution to automate email communication and sales funnels.
- Provisioned an Azure SQL server to interface with clients Office workflow.
- Pivoted to MySQL to increase ROI for clients. Completed data transformation and integration with Python Pandas scripts.

Sales Analysis and Reporting   **February 2020 — August 2020**
Cox Oil Company, Internship
- 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.

Data Architecting and Analysis   **Jan 2017 — 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.

PROJECTS

- **US Supreme Court Metadata Graph**: Mined text data from the Library of Congress API to cluster by political issue area.
- **Tensorflow Behavioral Prediction Paper**: Predicted Supreme Court outcomes with TensorFlow.
- **Python Tools**: Published Python tools to interface with Neo4j, JanusGraph, and Google APIs.
- **docs.jnapolitano.io**: Generated static website with Sphinx to document my CV.

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*