

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.

CONTACT

- ✉ justin@jnapolitano.io
- ☎ +1-832-299-0327
- 📍 Houston, Texas
- 🏠 jnapolitano.io
- 🐦 @justin-napolitano
- 👤 Justin Napolitano

SKILL TREE

Programming

Python

Bash

C

HTML/CSS

LaTeX

Markdown

reStructuredText

Scala

Go

Software & Tools

Jupyter

Sphinx Documentation

Git/GH

Docker

Vim

Metasploit Framework

nmap

K8s

pyTest

Data Handling and Analysis

Pandas

Statsmodels

SAS

Matplotlib

PySpark

Networkx

TensorFlow/Keras

Database

JanusGraph/Gremlin

Neo4j

SQL

Languages

English

Spanish

French

Cantonese

Operating Systems

Linux

MacOS

EXPERIENCE

- Application Developer

May 2021 — Present

BTJN, LLC

Houston, Texas

 - **Sales Forecasting:** Modeled retail sales with Statsmodels API.
 - **Data Mining:** Developed Python application to mine greater than 250,000 sales leads.
 - **Data Transformation:** Transformed records 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

Jan 2017 — Aug 2019

University of Central Florida

Orlando, Florida

 - **Feature Extraction:** Standardized feature extraction and storage methodology.
 - **Inferential Analysis:** Identified features correlated with increased event probability.
 - **Data Visualization:** Visualized P.O.L.E graph with Matplotlib.
- Research Assistant

Jan 2017 — Jan 2018

University of Central Florida

Orlando, Florida

 - **Sentiment Analysis:** Automated sentiment analysis of sentences with Python.
 - **Data Verification:** ANOVA tested human scoring against automated scoring.
 - **Data Management:** Standardized data aggregation and storage procedures.

EDUCATION AND CERTIFICATES

- Bachelor Political Science

Aug 2018

University of Central Florida

Orlando, Florida
- Python Specialization

May 2020

University of Michigan

Coursera

PROJECTS

- Journal.Jnapolitano.io

Nov 2021 — Present

 - **Meta Data Mining:** Extracted features from the Library of Congress API.
 - **Tensorflow Behavioral Prediction:** Predicted Supreme Court outcomes with TensorFlow.
 - **Static Web Site Generation:** Created websites with Sphinx and the Jupyter Book.
 - **Python Tools:** Releasing Python tools to interface with Neo4j, JanusGraph, and Google APIs.

AREAS OF INTEREST

Python Development

Sales Forecasting

Behavioral Analysis

Data Mining

Feature Extraction

Research

Project Management

ETL

Inferential Statistics

Sentiment Analysis

Data Visualization

Sports Analysis

Economic Modeling

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