

Justin Napolitano

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EDUCATION

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

EXPERIENCE

- **BTJN** Houston, TX
Software Engineer *May 2021 - Present*
 - **Sales Lead Generation Application:** Contracted to produce sales leads for a marketing firm involved in real estate. Python scripts were written to mine and integrate data. A neo4j database was employed to store the data in graph format to enable identification of valuable leads.
 - **CRM Application and Integration:** Contracted to create a custom CRM solution for a public health startup. Initially deployed with a Microsoft sql server in Azure cloud. Due to budget constraints and usability concerns the project shifted to a data integration solution that integrated csv's and excel documents.
- **University of Central Florida** Orlando, FL
Research Lead *Jan 2017 - Aug 2019*
 - **Conflict Analysis:** The Turkish-Kurdish Conflict is an ongoing armed struggle taking place in Anatolia. The Turkish Government and armed groups terrorize each other and civilians. Our work aims to detail the atrocities committed by any group or individual that maims or harms another.
 - **Human Rights Abuse Framework:** A collection of Human Rights abuses as defined by international treaty used by research assistants to define crimes in conflict zones.
 - **Research Design:** Created the procedures and manuals to train research assistants to query primary sources and code data points.
 - **Database Design:** Defined a third normal database to maintain logical consistency. Designed properties that enable data to be easily ported to a POLE graph database.
 - **Data Integration:** Ensured integrity of data generated by research assistants. Wrote python scripts to identify discrepancies in data coding and integrate data from varied sources included excel, json, and csv files.
 - **Data Analysis:** Performed analysis of human right's data that was peer reviewed at the Peace Science Conference at the Hague in Switzerland.
- **University of Central Florida** Orlando, FL
Research Assistant *Jan 2017 - Jan 2018*
 - **Data Integration:** Aggregated data points generated by student research assistants into a database. Python scripts to verify accuracy of coding.
 - **Sentiment Analysis:** Python script to analyze the sentiment of sentences to determine the emotional state of the speaker.

PROJECTS

- **Business Reporting and Sales Predictions:** Reporting and Prediction projects I completed for a retail chain of 57 stores.
- **Sphinx CV Template:** A sphinx project that enables non-programmers to create a static website of their cv with sphinx and Markdown.
- **Real Estate Professional Graph:** Graph of real estate professionals in the United States.
- **Development Setup Scripts:** Scripts and instructions that setup macs and *nix systems for development.
- **Google Drive API:** A google drive application that streamlines data pipelines for teams using the google productivity suite.
- **Supreme Court Metadata Graph:** A graph of the metadata of every United States Supreme Court Case.
- **Supreme Court Voting Behavior Prediction in TensorFlow:** Predicting voting behavior of Supreme Court justices with TensorFlow.
- **Gender Recognition in TensorFlow:** Identifying gender with TensorFlow