

Toni Stapleton

Data Scientist

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Skills

Python, Pandas, Scikit-learn, Matplotlib, Plotly, APIs, Alteryx, Excel, VBA, Web Scraping, SQL, MySQL, MongoDB, Pymongo, SQLAlchemy, Git and Version Control, Tableau, Javascript, D3.js, HTML

Work Experience

JULY 2017 - PRESENT

Information Resources, Inc. (IRI), Chicago, IL – Research & Development Data Analyst

- Expanded proprietary venue universe by initiating long-term processes to add on-premise food, cannabis, and liquor retail locations validated through data cleansing, Machine Learning APIs, and web scraping.
- Implemented automated business name standardization through data wrangling and fuzzy matching techniques in Alteryx.
- Drove new attribute creation by building and coding methodology to define a household's economic tier based on regional cost of living and number of household members through research and data diving and manipulation.
- Extracted point of sales data regularly from SQL database and joined with web scraped data to create new attribute tracking the legality of alcohol sales across the U.S.
- Coded Python programs to transform point of sales data and generate client specific PowerPoint decks automatically, reducing the delivery time to product managers from 2+ weeks to within 1 day.

MARCH 2016 - MAY 2017

Datassential, Chicago, IL – Big Data Intern

- Performed ETL by extracting restaurant data using Yelp API, cleansing the data using Pandas, and loading the data into proprietary data warehouse.
- Analyzed big data patterns in restaurant chains, including food sales, alcohol sales, dining segment trends, and demographic trends, by creating pivot tables and performing V- and H- lookups in Excel and presenting data visualizations in PowerPoint.
- Managed communication with global support teams to cleanse and aggregate data.

Education

NOVEMBER 2018 -MAY 2019 (Expected)

Northwestern University, Chicago, IL – Data Science Boot Camp Certificate

A 24-week intensive certificate program focused on gaining technical programming skills in Excel, VBA, Python, JavaScript, SQL and NoSQL Databases, Tableau, D3, HTML, Web Scraping, AI, and Machine Learning

SEPTEMBER 2013 -JUNE 2017

Northwestern University, Evanston, IL –

Bachelors of Arts in Mathematics, Mathematical Methods in the Social Sciences, and French

Relevant Coursework: Probability and Statistics, Econometrics, Non-Profit Consulting

AUGUST 2015 -DECEMBER 2015

Sorbonne Université, Paris, France – Study Abroad