

# Toni Stapleton

## **Data Scientist**

Chicago, IL 60657

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## Skills

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

## Work Experience

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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

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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**