

EXPERIENCE ▶

METIS

Data Scientist

San Francisco, CA
September 2020 - December 2020

An accredited 12-week immersive data science bootcamp that teaches Python, statistics, supervised & unsupervised machine learning, visualization techniques, and communication. Projects include:

Predicting Hardship from Gender Equality Survey and COVID-19 Case Data

- Combining worldwide COVID-19 data with survey responses, used various regression techniques (linear, polynomial, Lasso, Ridge) to predict an aggregated household hardship metric. Features include country population, Human Development Index, and differing gender attitudes. Visualized results in Tableau.

Predicting Bike Share User's Subscriber Status Using Classification Modeling

- Used data from Lyft and the Department of Transportation to create a classification model to predict subscriber status of Bay Area bike share users, based on features like trip duration, latitude/longitude, and connections to transit. Tried different classification algorithms such as KNN, Logistic Regression, Random Forest, Naive Bayes, and XGBoost — and built a web app using Streamlit and HTML.

Natural Language Processing & Topic Modeling of Joe Biden's Election Tweets

- Examined presidential candidate tweets using unsupervised machine learning. Found 10 discrete tweet topics using NLTK & Scikit-Learn NLP libraries (TF-IDF vectorizer, K-means clustering) and analyzed their frequency and importance in the campaign. Visualized dimensionality reduction with PCA and t-SNE.

Exploring Trends in New York Subway Ridership

- Using New York City's MTA data, conducted analysis in Pandas to create a list of top subway stations to place a street team for a tech event. Visualized results in Matplotlib and Seaborn.

CHANGE THE GAME DATA ACADEMY

Data Fellow

San Francisco, CA
July 2020 - July 2020

- A four-week course to improve skills in advanced Excel/Google Sheets, SQL using BigQuery, data visualization and reporting in Google Data Studio, and voter contact targeting in NGP VAN.

TOM STEYER 2020

Product Manager

San Francisco, CA
July 2019 - March 2020

- Led twice-weekly sprint meetings for website and product builds. Coordinated with field offices to capture requirements and write product briefs to turn into technical specs for the engineers.
- Oversaw the building of tools for supporters across 20 states, each with unique copy and legal requirements. Created user documentation and worked to resolve bugs and iterate on designs.
- Roadmapped the building of custom features for the organization's content management system, drove the A/B testing plan for all web pages, and tracked changes and results.

NEXTGEN AMERICA

Deputy Digital Director

San Francisco, CA
December 2017 - July 2019

- Headed the partnership with NGA's external web engineering firm and spearheaded the planning and building of pages and microsites for various campaigns.
- Executed the online paid media strategy and planning for the youth electoral program and managed the communication between the organization's vendors and political partners.

Senior Digital Program Manager

September 2015 - December 2017

- Led the four-person Email Operations team, responsible for sending all advocacy and marketing emails to the organization's lists, totaling about two million supporters.
- Supervised the email production process and worked closely with other digital staff to ensure all sends were scheduled, targeted properly, and deployed in a timely manner.

ORGANIZING FOR ACTION

Platform Manager, Digital Organizing

Chicago, IL
August 2013 - January 2015

- Led the program and development of online engagement tools. Spearheaded user feedback sessions and created comprehensive trainings around digital strategy.
- Managed technical support and bug prioritization for the organization's in-house messaging platform, which transformed the way supporters took collective action.

OBAMA FOR AMERICA

Digital Project Manager, Frontend Development Team

Chicago, IL
June 2011 - November 2012

- Prioritized website production requests and managed the workflow for the engineering team.
- Monitored A/B tests on donation pages to maximize conversion rates and increase revenue.

SKILLS ▶

PYTHON LIBRARIES

Pandas
NumPy
Scikit-Learn
Beautiful Soup
Selenium
NLTK
Matplotlib
Seaborn

MACHINE LEARNING

Linear Regression
Classification
Cross Validation
Regularization
Model Selection
Natural Language Processing

OTHER PROGRAMMING LANGUAGES

SQL
HTML

DATA VISUALIZATION

Google Data Studio
Tableau

OTHER

Git
Github
Google Optimize
Google Analytics
BigQuery
Wordpress
NGP VAN
Microsoft Office Suite
Streamlit

EDUCATION ▶

WASHINGTON UNIVERSITY IN ST. LOUIS

B.A. Psychology, Marketing