

# HALEY FARBER

(714) 351-3761 | [haleyfarber@berkeley.edu](mailto:haleyfarber@berkeley.edu) | [haleyfarber.com](http://haleyfarber.com) | <https://www.linkedin.com/in/haley-farber/>

## EDUCATION

**University of California, Berkeley - Master of Information and Data Science (GPA 3.96)** August 2021

Courses: Python Programming for Data Science, Experiment Design, Data Engineering, Machine Learning, Data Visualization, Experiments and Causal Inference, Natural Language Processing with Deep Learning, Statistics

**University of California, Berkeley - Bachelor of Arts in Economics *High Distinction* (GPA 3.85)** May 2020

## DATA SKILLS AND TOOLS

- Languages: Python, R, SQL
- Machine Learning/Deep Learning: linear and logistic regressions, k-means clustering, principal component analysis (PCA), neural networks
- Data Engineering: Google BigQuery, Spark, HDFS, Kafka, Google Cloud Platform (GCP)
- Data Tools: Git, Github, Matplotlib, Altair, Tableau, ggplot, PyTorch, TensorFlow, Scikit-learn, Pandas

## RECENT ACADEMIC PROJECTS

- **Twitter Bot Detection:** Utilized CNN, BERT, and DistilBERT using PyTorch and Hugging Face to classify if a tweet was written by a bot or human. Used LIME to discover words and phrases that indicate if a tweet was written by a bot.
- **Coffee Review:** Website with visualizations created from coffeereview.com using Tableau and d3 to help coffee enthusiasts learn about coffee and discover a coffee that matches their preferences.
- **Effect of Plus-Sized Models on Purchase Intent:** Experiment conducted with analysis in R and regressions to determine if viewing plus-size models instead of size 0-4 models increases a woman's likelihood of purchasing clothing.
- **Lyft Bay Wheels:** Discovered insights and recommendations to increase bike ridership. Used Google BigQuery SQL to query data from san\_francisco dataset and Pandas, Matplotlib, and Seaborn to create visualizations.

## WORK EXPERIENCE

### Financial Analyst Intern

Summer 2019

ARUP San Francisco, CA

- Developed a real-time dashboard of 12 metrics using Excel, Power BI, and SQL to track the financial health of engineering projects and offices which helped lead to millions in cash savings by early identification of over budget projects and outstanding invoices.
- Conveyed financial insights to engineering project managers and discussed how to improve the financial health of their projects using my dashboard.
- Tracked debt and bad debt over time to see how quickly the firm received payments and in what offices and engineering practices most of this debt was allocated to decrease outstanding debt in American offices.

### Congressional Office Intern

Summer 2018

U.S. Congressman Lou Correa, CA 46th District, Santa Ana, CA

Summer 2017

- Collected data on constituent requests and concerns and translated data into insights that senior staff members could pass onto the Congressman to determine how to vote on legislation.
- Researched different district resources such as veteran assistance programs and food and homeless shelters and compiled data into Excel spreadsheets so senior staff members could quickly connect constituents to the appropriate resources.

## VOLUNTEER AND LEADERSHIP

### Student Orientation Leader

Spring & Fall 2019

UC Berkeley, Golden Bear Orientation Program

Spring & Fall 2018

- Worked collaboratively to welcome, orient, and educate over 9,000 new students to UC Berkeley.
- Helped guide groups of new students through a multi-day orientation program; helped introduce them to campus resources and opportunities, explore academic life, student involvement, diversity, and community, and prepared them to succeed and thrive at UC Berkeley.

## ADDITIONAL SKILLS

- Language: Conversational in Spanish - Speaking and Writing Proficiency.