

# HALEY FARBER

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## EDUCATION

**University of California, Berkeley - Master of Information and Data Science (GPA 3.94)** 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
- Visualization: Matplotlib, Altair, Tableau
- Modeling: linear and logistic regressions, k-means clustering, principal component analysis (PCA), neural networks

## RECENT PROJECTS

- *Twitter Bot Detection*: Utilized CNN, BERT, and DistilBERT to classify if a tweet was written by a bot or human. Used LIME to discover words and phrases that indicated 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.

## WORK EXPERIENCE

**Corporate Finance Intern** Summer 2019  
ARUP San Francisco, CA

- Worked with ARUP, a multinational engineering and consulting firm, on financial analysis and reporting, including cost analysis and forecasting.
- Developed dashboard of 12 metrics to track the financial health of engineering projects, led to millions in cash savings by early identification of projects with high 'Work-in-Progress' but no recent invoices and projects that are over budget but are still in progress. These dozen metrics update automatically so staff can continue to use my metrics to analyze the firm's current financial position and examine its financial position over time.
- 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.

**Congressional Office Intern** Summer 2018  
U.S. Congressman Lou Correa, CA 46th District, Santa Ana, CA Summer 2017

- Researched and created comprehensive electronic databases of different area programs, including local business employment opportunities.
- Translated data into insights and analyses that were used by senior staff members to streamline the management of constituent requests and questions.

## 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 for a week prior to school starting.
- 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 helped prepare them to succeed and thrive at UC Berkeley.

**Homeless Shelter Volunteer** Fall 2017  
Dorothy Day House, Berkeley, CA

- Assisted with serving breakfast to people in need to help meet the growing crisis of hunger within the community.

## ADDITIONAL SKILLS

- Language: Conversational in Spanish - Speaking and Writing Proficiency.
- Strong research, critical analysis, and writing skills.
- Friendly and outgoing with effective interpersonal communication skills.