

Omar Torres

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Education

University of California Berkeley - California, USA

August 2019

B.A., Data Science
Emphasis: Economics

Relevant Courses:

- Foundations of Data Science, Principles of Data Science, Linear Algebra for Data Science, Introduction to Artificial Intelligence, Economic Models, Structure and interpretation of Computer Programs, Data Structures, Discrete Math and Probability

Relevant Experience

Email Classifier (Project by: Professor Fernando Pérez)

Nov 2021

- Developed a Classifier to distinguish between spam and non-spam emails using feature engineering and logistics regression.

Unemployment Rates and Covid

Dec 2021

- Analyzed, transformed, and organized Covid-19 data and unemployment data across all counties in the US to discover how correlated Covid-19 was with unemployment rates. Performed Exploratory Data Analysis, Data Cleaning, and Modeling.

Game Theory and Behavioral Economics (Project by: Dr. Eric Van Dusen)

April 2022

- Created a tournament of different Prisoner's Dilemma strategies to see what strategy could end up with the greatest utility.
- Constructed A/B tests to see whether placements in webcams caused people to think a person was taller/shorter than their actual height.
- Constructed A/B tests to see whether placements in webcams (perception in height) caused people to collaborate or defect.

Independent Projects

College Kitchen

- Created a website where people get the chance to demonstrate their culinary talents. This is a full-stack application using React JS, Express JS, Node JS, CSS (Sass), and the google sign in Library.

Sorterer

- Designed and created a project for students starting to learn algorithms by using visual unsorted bars and demonstrating how different sorting algorithms would sort the bars.

Leadership

iTOT - Berkeley, California

Executive Member and Front-end Developer

Dec 2019 - Aug 2021

- Helped coordinate and organize various events to help our organization grow, generating 200% more interest from public schools wanting to work with our organization.
- Filled out funding applications that have contributed to 100% of our funding.
- Reached out to public schools that may be interested in working with our organization leading to our current 200% increase in school interests.

Additional

Technical: Python 3, SQL, MYSQL (database), Javascript, HTML/CSS, Java, MongoDB, C

Languages: Fluent in Spanish and English

Certifications & Training: React, Node Js

Relevant Knowledge: A/B testing, Data Cleaning and Exploratory Data Analysis, Visualizations, Modeling (Classification, Clustering, Regression), PCA, Least Squares, Confidence Intervals, Bootstrap, Correlation, ...

Other: Numpy, Pandas, Matplotlib, Seaborn, Sklearn, Git, React, Node, SASS, Restful API, Express JS, Adobe XD