BENJAMIN HO

Email: **benjaminho@berkeley.edu**
Phone: **415-269-0430**
Portfolio: **https://benwho19.github.io/**
Location: **San Francisco, CA**

Summary: Data analyst with prior software engineering experience and a strong background in Python, SQL, and technical problem-solving.

SKILLS

Technical skills: Python, R, SQL, Tableau, Power BI, Excel / Google Sheets, PowerPoint, BigQuery, Git, Jupyter, machine learning, Pandas, NumPy, Scikit-learn

PROFESSIONAL EXPERIENCE

Genista Biosciences – Software Engineer; San Jose *November 2021 – December 2022*

- Built data-intensive web applications vital to customers and lab staff for handling business operations.
- Delivered projects that improved API call speeds by 100% and efficiency of lab testing tasks by 50%.
- Collaborated with designers and engineers on other teams, worked cross-functionally with members of chemistry/biochemistry lab staff, and communicated effectively with project stakeholders.
- Spearheaded major codebase rewrite, introduced new code style guidelines to the engineering team.

EDUCATION

Coursera | Google Data Analytics Certificate *March 2023*

- Gained experience within the different phases of the data analysis process, including data cleaning and pre-processing, analysis, and visualization. Also learned techniques for data storytelling and stakeholder management.

UC Berkeley | B.A., Cognitive Science

- Relevant coursework: Foundations of Data Science, Intro to Probability and Statistics, Structure and Interpretation of Computer Programs, Discrete Math, Data Structures, Artificial Intelligence, UI Design

PROJECTS

Instacart Users Analysis

Leveraged Python to analyze an Instacart dataset containing 3 million orders from over 200,000 users.

- Discovered users' ordering trends such as most popular day and time of purchases, frequency of reorders, and number of items per order.
- Key findings also include which products are the most popular, which aisles are the best-selling, and which aisles have the most items.

Customer Sales Analysis

Conducted a SQL analysis of a customer sales dataset and used Tableau to visualize and create dashboards.

- Pinpointed which products sell together and which are the best customers (using RFM analysis).
- Tableau dashboards include statistics such as distribution of sales by country and revenue by product line.

Carbon Emissions Prediction

Used Python to analyze a vehicle dataset containing over 2,000 models across 42 makes and 16 classes.

- Identified vehicle trends and statistics as well as features of a vehicle most related to carbon emissions.
- Achieved 86% accuracy in predicting a vehicle's carbon emissions using linear regression models.