BENJAMIN HO

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Portfolio: **https://benwho19.github.io/**
Location: **San Francisco, CA**

PROFESSIONAL EXPERIENCE

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

- Developed features that allowed lab staff to automate testing tasks and improve efficiency by 50%
- Collaborated with designers and engineers on other teams and communicated effectively with stakeholders on project requirements
- Researched and introduced new linting and code style guidelines for the engineering team
- Spearheaded a major refactor of the front-end codebase, making components more modular and improving future development speed. Also streamlined certain API calls, improving speeds by 100%

EDUCATION

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

Coursera | Google Data Analytics Certificate

- 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

SKILLS & INTERESTS

Interests: TED Talks, behavioral psychology, outdoors, swimming, skiing, strategy games, Formula 1, data storytelling, live comedy

Technical skills: Python, R, SQL, Tableau, Looker, Excel/Sheets, PowerPoint, BigQuery, Git, machine learning, React, Django

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, which are the best customers (using RFM analysis), and more
- 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