

Benjamin Ho

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WORK EXPERIENCE

Genista Biosciences

Nov 2021 – Dec 2022

Software Engineer

San Jose, CA

- Developed new features for and maintained the company's main software products. Collaborated with engineers on other teams and communicated effectively with stakeholders on project requirements.
- Developed features that allowed lab staff to automate testing tasks and improve their efficiency by 50%.
- Rewrote certain API calls, improving speeds by 100%. Also performed a large refactor of the front-end codebase to make components more modular to speed up future development.

EDUCATION

UC Berkeley

B.A., Cognitive Science

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

Coursera

Google Data Analytics Certificate

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

SKILLS

Languages:

- Python, R, SQL, Java, JavaScript, HTML/CSS.

Technologies:

- Excel/Sheets, Tableau, Pandas, Numpy, Matplotlib, Scikit-learn, Jupyter, BigQuery, Django, React, Git.

PROJECTS

Economic Data Analysis

- Pulled data from the FRED economic data API; then used Python and Pandas to clean and analyze the data, and Matplotlib for visualizations. Explored topics such as unemployment rate by state and comparison of participation rate to unemployment rate.

Customer Sales Data Analysis

- Used SQL to analyze a customer sales dataset to answer questions such as who the best customers are, and which products sell together. Created a dashboard in Tableau to visualize statistics such as distribution of sales by country.

Housing Prices Regression

- Used Python, Pandas, and Seaborn to analyze a housing prices dataset to better understand the relationship between a house's price and its features. With Scikit-learn, ran a linear regression model to see how accurately it could predict a house's price based on its features, and then analyzed the model's performance.