

JILLIAN GOLDBERG

☎ (214) 783-9066 ✉ jillianguoldberg@berkeley.edu in [jillianguoldberg](#) 🌐 [jillianguoldberg](#)

Education

University of California, Berkeley (M.E.T.)

Expected May 2024

B.S., Electrical Engineering and Computer Science (EECS) + B.S. Business Administration (Haas); Chinese Minor

Coursework: Machine Learning, Artificial Intelligence, Discrete Math & Probability, Computational Photography, Data Science, Operating Systems, Data Structures/Algorithms, RecSys, Computer Architecture, InfoSys Design, Engineering Physics, Economics

Activities: Voyager Consulting (Consulting VP), Cal W Club Volleyball (Captain), [Accel Scholars 2023](#), Computer Science Mentors

Experience

Autonomous Driving Research Assistant, Berkeley Artificial Intelligence Research (BAIR)

Sept 2023 - Present

- Implementing scenario video query pipeline to improve sim2real gap for on-road autonomous driving failure data.

AI & ML Analyst Intern, J.P. Morgan Chase

May 2023 - Aug 2023

- Leveraged LLMs (FinBERT, FinGPT) to create a summarization model for economic articles and earnings reports.
- Built a predictive forecasting model for European GDP through variable selection from **355+** variables, reading over **20** economic papers, researching **3** types of Vector AutoRegressive models, and generating predictions for **10** years.

Data Science Intern, The Walt Disney Company (Disney Streaming)

May 2022 - Aug 2022

- Modeled **2** years' worth of Hulu user activity using graph theory and user clustering; identified **5** edge cases to improve accuracy of user identity matching; presented findings to leadership and documented for future automation.
- Used SQL filtering, pivoting, and window functions in GCP's BigQuery to produce **two 10M** row datasets for a 3rd party match test; added additional datapoints to the [Hulu/ESPN identity graph](#); delivered to stakeholders via AWS.

Project Leader (Contract), Venmo

Jan 2022 - May 2022

- Led a team of **8** to identify Gen Z patterns by analyzing **6** competitors and clustering consumer behavior of **1K+** users.
- Delivered **9** product ideas with **3**-pronged implementation and prioritization plan to Head of Product and team.

Data Science Extern, UberEats

Sept 2021 - Dec 2021

- Segmented **2M** eaters via random forests, PCA, and clustering to model feature predictions and consumer behavior.
- Identified **7** user behavior archetypes based on EatsPass conversion; provided strategy recommendations per cluster.

Data Engineering Intern, Proctor & Gamble

May 2021 - Aug 2021

- Designed an automated dashboard using SQL and Power BI to enable product quality and statistical data analysis.
- Transitioned over **5B** rows of data to daily-refreshed, point-in-time visualization and **5** quality assurance reports.

Projects

2nd Place - Fan Favorite, Disney Datathon

July 2022

- Innovated on the massive Disney Bundle dataset with a cross-platform 1-day "[Stream-Hopper](#)" to increase conversion.
- Used collaborative filtering and lookalike modeling to create recommendation system across Disney+, Hulu, ESPN+.

CalHacks 1st Place Team, UC Berkeley Hackathon

Dec 2021

- Created a geolocation-based social media app called "[Bump!](#)" to promote community among Gen Z/Millennials.
- Leveraged React Native, Node.js, MongoDB for interactive mapping, geolocation tracking, and instant messaging.

Consulting Vice President, Voyager Consulting

Aug 2021 - May 2022

- Leading team of **3** account managers through client acquisition by connecting with **60+** VP and C-suite leaders.
- Prev. Account Manager: design project scopes for past clients Apple, Uber, The Gates Foundation, Intel, MasterCard.

Skills

Proficient Python (Pandas, NumPy, Scikit-Learn, PyTorch, TensorFlow) · SQL (BigQuery) · R · GCP · Java · Git

Familiar React · JavaScript (Node.js) · AWS · CLI · MongoDB · Apache Beam · HTML/CSS · RISC-V Assembly