Steven Yu

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GOAL

Recent UC Berkeley Data Science graduate seeking a career in solving problems. Eager to apply my data technical skills to solving problems that can scale in helping thousands of people.

EDUCATION

University of California, Berkeley   Berkeley, CA
Bachelor of Arts in **Data Science**, Domain Emphasis: **Applied Mathematics and Modeling**
Chartered Financial Analyst (CFA) Program
Candidate for level I CFA exam   November 2024

SKILLS

Technical Skills: **Python**, **Java**, **SQL**, HTML, CSS, JavaScript, SpreadSheets, Documents, Linux, Git, MatLab, **C/C++, Machine Learning**
Tools & Libraries: Numpy, **Pandas**, SKlearn, Seaborn, TensorFlow, Pytorch, React, **Matplotlib, RDMS**

EXPERIENCE

Outlier.Ai   Freelance
AI Model Trainer   May 2024 - Present
- **Trained AI Models**: Partnered with organizations to train **large language models** for better code generation. Made sure models were **accurate** which required **keen attention to detail**.
- **Evaluated Code Quality:** Assessed **AI-generated code** and provided **clear, precise and detailed rationales** to improve model performance.
- **Solved Coding Problems**: Developed functional and efficient **solutions** for various **coding challenges**.
- **Created Test Cases**: Designed robust **test cases** to ensure the efficiency and effectiveness of AI-generated code.

UC Berkeley Executive Vice Chancellor and Provost   Berkeley, CA
Administrative Assistant   Jul 2022 - Aug 2024
- **Streamlined document organization database system**, resulting in a **20% increase in efficiency** and a **15% reduction in errors.** Helped with the organization of multiple documents from different **department units** at UC Berkeley including.
- **Assisted in scheduling meetings** for multiple departments, coordinating with over **50 employees** and ensuring on-time attendance for all participants.
- **Updated EVCP website** allowing for timely and accurate dissemination of school news and announcements.

UC Berkeley Dept. of Chemical and Biomolecular engineering   Berkeley, CA
Data Scientist   Jan 2024 - May 2024
- **Researched, gathered and analyzed over 100 GB of data then developed and deployed a data pipeline** to clean metagenomic data, cleaning the data using the collaboration of **Python, Java, RDMS** and the **linux operating system** in order to identify gene clusters in **Streptococcus mutans**. associated with health outcomes and dental disease.
- **Collaborated with a team** of **5** in a **5 month long** project to identify unique **biosynthetic gene clusters** across genome libraries of S. mutans strains and analyzed their associations with oral health and disease.
- **Implemented data visualization** techniques to present findings on gene clusters in a clear and concise manner, facilitating better understanding among cross-functional teams and resulting in a **20%** reduction in project timeline.

PROJECTS

Quantitative Project   Sep 2023 - Jan 2024
- Proficiently applied **data science** to both **Unsupervised Learning** Trading Strategy and Twitter Sentiment Investing Strategy on selected stocks. Mastered feature extraction, portfolio optimization, and social media ranking, evaluating stock performance against stock market indices like QQQ and S&P 500.
- Used **machine learning library SKlearn**, and **data visualization** library **matplotlib** to implement strategies that resulted in an average of a **30%** increase in portfolio value compared to respective indices.