Joy Lin

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT   Los Angeles, CA
Master of Science in Business Analytics (MSBA)   *Expected Dec. 2024*
- Machine Learning, Optimization, Data Management, Prescriptive Models, Operations, Competitive, and Customer Analytics
- UCLA Anderson Merit Fellowship Recipient

UC BERKELEY   Berkeley, CA
Dual Degree: B.A. Statistics, B.S. Nutritional Science—Dietetics   *May. 2023*
- Causal Inference, Time Series, Linear Modeling, Food Systems Organization and Management, Creativity and Leadership

PROFESSIONAL EXPERIENCE

HAAS SCHOOL OF BUSINESS   Berkeley, CA
Research Analyst   *Mar. 2023 – July. 2023*
- Quantified and analyzed patterns of abortion supports by Fortune 250 companies, establishing a playbook which led to stronger social influence in business cases to advocate reproductive rights.
- Developed dynamic trend analyses and conducted in-depth statistical breakdowns using **Shinyapps**, resulting in more efficient team communication and increased client satisfaction.

HADDEE EDUCATION   San Diego, CA
Marketing Analyst Intern   *Apr. 2022 – Sept. 2022*
- Forecasted trends of U.S. teacher salary fluctuations and analyzed factors related to student performance, identifying a stronger correlation of student performance with student demographics over teacher salaries by **28%.**
- Designed web-based interactive dashboards using **Tableau** and managed social media production, increasing management efficiency by reorganizing website modules and improving marketing performance by gaining **10K+ views.**

NORSK HYDRO   Phoenix, AZ
Quality Analyst Intern   *Jul. 2022 – Aug. 2022*
- Analyzed data from dimension, crushing, and pole tests of automobile part samples and identified possible confounding variables in quality test results using **tidyverse** in R, adjusting procedures and optimizing lab efficiencies by **12%.**
- Conducted an in-depth process flow analysis for extrusion operations and reduced downtime by **16%.**

HEALI AI   Santa Monica, CA
Nutrition Data Analyst   *Oct. 2021 – Aug. 2022*
- Implemented a database of ingredients for compliance among different food categories using **MySQL**, improving irritable bowel syndrome with research and study design of low-FODMAP diet.
- Collected, reviewed, and validated statistics on nutrient content, recipes, and diseases from public databases, shifting company's focus on diet adherence as the most pervasive barrier in dietary treatments based on **50+** literature reviews.

DATA ANALYTICS PROJECTS & CHALLENGES

Causal Inference Project: Analyzed causation between holiday travel advertising and COVID-19 infections, replicated and compared with and without covariates and interaction, justifying inference methods used in literature.
Time Series Project: Compared different time series models such as **ARMA and ARIMA** for a best fit for the closing values of DOGE cryptocurrency, predicting fluctuations for the next 10 years.
Latent Semantic Indexing Project: Performed text analysis by finding most associated words with each topic, using **Python** and word-topic matrix, investigating Google's page rank algorithm to rank web pages based on importance.
SparkED Datathon: Entered 2nd round with **Alteryx Designer Core Credential.**
Data 4 Good Competition: Led team to conduct text analytics with **Microsoft Certified: Azure Fundamentals.**

LEADERSHIP

- Served as the "Best Teaching Assistant" for two **R Programming** courses of 400 students at UC Berkeley.
- Planned 8 events as a Student Ambassador at Newman Catholic Center, bridging students from China to the U.S. cultures.
- Published 400k-word fictions and 30k-word educational articles in English and Mandarin, earning over 300k views.