JODIE CHEN

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EDUCATION

University of California, Los Angeles   Cumulative GPA: 3.91

B.S. Statistics, Minor in Data Science Engineering   *Graduation Date: Jun 2025*

WORK EXPERIENCE

Optum   **Pittsburgh, PA**

Data Science Research Intern   *Jun 2024 - Aug 2024*

- In partnership with CMU Statistics & Data Science, applied statistical and data science methodologies which culminated in pitching healthcare solutions to Optum executives in a final presentation
- Developed machine learning models to predict drug overdose rates, created statistical graphs and visualizations, and implemented data engineering workflows

Meyer Lab at Cedars Sinai Medical Center   **Los Angeles, CA**

Data Science Research Intern   *Oct 2023 - Apr 2024*

- Conduct statistical analysis and optimized models in R and Python via feature selection techniques that differentiate patients in different disease states resulting in 3% improvement in AUC score
- Computed descriptive statistic, regression analysis and ran model diagnostic tests, contributing to a paper (as first author) which better quantified relationship between protein quantities and stroke outcomes

DataRes   **Los Angeles, CA**

Data Blogger | Article: https://bit.ly/3MRArzB   *Mar 2023 - Jun 2023*

- Wrangled 600K+ entries and 25 features of FBI Homicide Report Data, conducted independent research and exploratory data analysis in R and Tableau to explore patterns in serial killer activity
- Presented at a club showcase of 80+ attendees, synthesizing complex technical findings into layman's terms

Bruin Sports Analytics   **Los Angeles, CA**

Data Journalist | Article: https://bit.ly/3utOKnG   *Jan 2023 - Mar 2023*

- Wrangled 2400+ entries across 3 different websites using R
- Conducted EDA using R to analyze swimmers' height, wingspan, and reaction time in relation to swim time and determine variables most correlated with faster swim time
- Created 10+ plots using base graphics and ggplot and analyzed trends in an objective manner

Eatwell Meal kits   **Remote**

Project Manager Intern   *Jul 2023 - Oct 2023*

- Researched client needs and conducted 10+ user interviews to define KPI's, metrics, and built impact report
- Utilized Excel to transform 6+ KPI and clinical outcomes datasets into 8 data visualizations

PROJECTS & LEADERSHIP

Services Data Collection Script   **Remote**

Data Analyst   *Dec 2023 - Jan 2024*

- Developed and implemented scalable web scraping solutions using Beautiful Soup, Scrapy, Pandas to extract, process, and store data on cosmetology experts' contact information and services from 3 websites into database

SKILLS

Tools: Python (Pandas, NumPy, SciPy, and Matplotlib, Pytorch), R (tidyverse, ggplot), C++, Java, SQL, Git, Tableau

Topics: Data structures/algorithms, significance/hypothesis testing, clustering, descriptive/inferential stats, PCA