

Jane Zou

Irvine, CA | janezou2013@gmail.com | [linkedin.com/in/jane-zou-datascience/](https://www.linkedin.com/in/jane-zou-datascience/) | github.com/jane-z-zou | janezou.netlify.app/home

EDUCATION

University of California, Los Angeles
Statistics and Data Science, Bachelor of Science
Cornell University
Machine Learning Foundations

September 2021 - June 2024
GPA: 3.90/4.00
June 2022 - January 2023

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers
Products and Technology Data Science Intern

Irvine, CA
June 2023 - August 2024

- Lead pro bono consulting initiatives for a nonprofit client specializing in online career advancement, leveraging domain expertise
- Invest over 80 hours in intensive training in Microsoft Power Apps, Microsoft Excel, and Python, elevating data analysis capability
- Develop Python algorithms for demographic profiling, generating actionable insights for machine learning model integration

UCLA Jules Stein Eye Institute
Research Assistant

Los Angeles, CA
May 2023 - June 2024

- Automate precise visual field and display examination detection by imputing over three decades of missing patient data, significantly enhancing diagnostic accuracy and enabling extensive historical analysis
- Collaborate with a cross-functional team, achieving a 30% improvement in model reliability through rigorous fine-tuning
- Integrate advanced AI models into clinical workflows, optimizing healthcare operations and patient follow-up scheduling
- Optimize healthcare datasets by merging four NHANES and ten CDC data sheets, updated inclusion criteria and statistical analyses

American Express, Break Through Tech AI @ UCLA
Machine Learning Project Lead

Los Angeles, CA
June 2022 - December 2022

- Developed a robust machine learning pipeline, enabling precise calculation of binary arrival probabilities for a dataset of over 900,000 AMEX customers and 10.4 million financial records
- Led a team of four in a Google-sponsored Kaggle competition, investing over 90 hours strategically applying Natural Language Processing (NLP) and deep learning techniques to engineer an advanced recommendation system

LEADERSHIP

DataResolutions
Lead Project Consultant, DataLearn Head

Los Angeles, CA
Oct 2021 - June 2024

- Designed and facilitated interactive workshops for over 300 undergraduates, creating a comprehensive curriculum to empower hands-on data analytics using Python, SQL, and Tableau
- Engineered a 98% accurate recommender system for SARE Ladies and EpiData, utilizing remote IoT climate devices to enhance precision in decision-making
- Conducted web scraping for 4 million real estate and student loan observations, developing robust ML models for enhanced analytics
- Spearheaded the development of Chelle AI's knowledge graph, resulting in a 25% improvement in data accessibility for onboarding
- Ensured adherence to coding standards and fostered collaborative learning through code reviews and constructive feedback

Innovation Challenge, Young Tech Professionals Bootcamp
Product Manager

Los Angeles, CA
Mar 2022 - May 2023

- Supervised a cross-functional team of six professionals, leading the development of a recruiting platform for UCLA job seekers
- Utilized user experience design principles to create an innovative parking reservation platform for the LA Olympics 2028, collaborating with industry leaders including Sony, AWS, and Slalom to ensure optimal functionality
- Elevated decision-making through a strategic business pitch informed by user research and advanced UI/UX work

Girls Inc.
Brand Ambassador, Program Co-Creator

Remote
June 2021 - May 2022

- Implemented a data-centric social media strategy, utilizing targeted hashtags and optimal posting times to increase engagement
- Successfully organized and hosted virtual events, providing comprehensive education on women's rights to over 130,000 followers

HONORS and AWARDS

Visa Scholarship
Society of Women Engineers @ UCLA / \$500 Scholarship

Los Angeles, CA
May 2023

Break Through Tech AI @ UCLA, MIT, Cornell Tech AI Studio
Kaggle, Google

Los Angeles, CA
March 2023

- Achieved 3rd place out of 506 submissions by implementing an ML model predicting movie ratings based on user and movie data

Hackathon Places
Major League Hacking, QWER Hackathon

Los Angeles, CA
February 2023

- Secured first place in the Housing Insecurity Track and received the Best Mobile App award

SKILLS

Programming Languages: Python, R, Tableau, Power BI, Git, Microsoft Excel, HTML, NetworkX

Machine Learning: Gradient Boosting, Clustering, Collaborative Filtering, Natural Language Processing (NLP), Artificial Intelligence Safety and Ethics, Time Series Analysis, and Feature Engineering

Business and Domain Knowledge: Figma, NetSuite, Product Management, Agile and Scrum Methodologies