Jane Zou

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EDUCATION

University of California, Los Angeles *September 2021 - June 2024*
Statistics and Data Science, Bachelor of Science GPA: 3.90/4.00
Cornell University *June 2022 - January 2023*
Machine Learning Foundations

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers Irvine, CA
Products and Technology Data Science Intern *June 2023 - August 2024*
- Lead the development of an NLP web application to enhance user querying capabilities for a nonprofit client, leveraging domain expertise in career exploration to improve search accuracy and user engagement
- Invest over 80 hours in intensive training in Microsoft Power Apps, Microsoft Excel, and Python, elevating data analysis capability
- Develop Python algorithms to analyze demographic data for over 4 million users, generating actionable insights to enhance predictive accuracy and personalization

UCLA Jules Stein Eye Institute Los Angeles, CA
Research Assistant *May 2023 - June 2024*
- Automate the merging and analysis of over 30 years of patient data based on selection criteria to improve diagnostic accuracy
- Collaborate with a cross-functional team, achieving a 30% improvement in model reliability through rigorous fine-tuning
- Implement advanced AI models and R-based analytics, including GEE and linear regression, into clinical workflows for publication

American Express, Break Through Tech AI @ UCLA Los Angeles, CA
AI Fellow, Machine Learning Project Lead *June 2022 - April 2023*
- 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 applying NLP and AI techniques to engineer an advanced recommendation system

LEADERSHIP

DataResolutions Los Angeles, CA
Lead Project Consultant, DataLearn Head, Consulting Advisor *Oct 2021 - June 2024*
- Designed and facilitated interactive workshops for over 380 undergraduates, creating a comprehensive curriculum to empower hands-on data analytics using Python, SQL, and Tableau
- Engineered a 98% accurate and generalizable recommender system for SARE Ladies and EpiData, utilizing remote IoT climate devices to enhance precision in decision-making
- Executed 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

Innovation Challenge, Young Tech Professionals Bootcamp Los Angeles, CA
Product Manager *Mar 2022 - May 2023*
- Supervised a cross-functional team of six, communicated stakeholders to drive successful outcomes in product development
- 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 by delivering a data-driven business pitch, leveraging user research and UI/UX analysis to inform strategic recommendations and improve outcomes

Girls Inc. Remote
Brand Ambassador, Program Co-Creator *June 2021 - May 2022*
- Boosted social media engagement by using data-centric targeted hashtags and optimal posting times to enhance user interactions
- Successfully organized and hosted virtual events, providing comprehensive education on women's rights to over 130,000 followers

HONORS and AWARDS

Visa Scholarship Los Angeles, CA
Society of Women Engineers @ UCLA / $500 Scholarship *May 2023*
Break Through Tech AI @ UCLA, MIT, Cornell Tech AI Studio Los Angeles, CA
Kaggle, Google *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 Los Angeles, CA
Major League Hacking, QWER Hackathon *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, CSS, NetworkX
Machine Learning: Gradient Boosting, Clustering, Supervised and Unsupervised Learning, 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, GIS, Canva