Xuanyao (Clark) Qian

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EDUCATION

University of California, Los Angeles **Los Angeles, CA**

Bachelor of Science in Statistics & Data Science; Double major in Psychology ***Expected in 06/2025***

- **GPA:** 3.97/4.0
- **Technical Skills:** Python, R, Tableau, Power BI, SQL, SPSS, Jamovi, MS Office

PROFESSIONAL EXPERIENCE

Credera | Consulting & Data Analytics Internship **Remote**

Researched Gen Z work preferences at the User Experience Department, exploring methods to attract and retain Gen Z employees. ***06/2022–08/2022***

- Conducted comprehensive research on Gen Z lifestyles through three major studies, identifying four key trends influencing talent development strategies. Summarized, organized, and visualized findings to a 20% increase in talent search efficiency;
- Designed survey questionnaires and interview outlines to assess the work expectations of Gen Z across 12 different perspectives. Collected over 500 responses through social media;
- Utilized R and Tableau to clean, analyze, and visualize survey data, generating actionable insights with detailed reports highlighting major trends and insights, achieving 98% client approval.

Zhangjiagang Department of Statistics | Data Analyst Internship **Suzhou, China**

In charge of the 5th National Economic Analysis Project ***07/2023 – 09/2023***

- Led the comprehensive collection and analysis of economic data from 2,000+ companies within the city, identifying key economic trends that informed strategy planning and policy-making;
- Developed interactive dashboards using Tableau to monitor project progress along four distinct dimensions, enhancing decision-making efficiency and company response rates by 25%;
- Facilitated seamless communication and cooperation between over 200 company representatives and provincial governors to address technical and logistics issues. Foster strategic partnerships, directly contributed to a 30% uptick in project completion rate;
- Mastered SQL queries to optimize data extraction, reducing data retrieval time by 40% and boosting analysis productivity, enabling the office to be the first in Suzhou province to complete the regional quota.

ACADEMIC EXPERIENCE

Perceptual Processing & Computational Lab at UCLA **Los Angeles, CA**

Research Assistant ***02/2024 – Present***

- Conducting research perception bias in graphical estimation of statistical plots and its relation with graph literacy;
- Independently developed online experiment interface for remote, automatic data collection, increasing collection rate by 50% and participation by 30%;
- Created interactive R dashboards showcasing preliminary data cleaning and analysis results for collected data, accelerating the research progress by 30%;
- Refactored previous Python programs to customize the creation of experiment stimulus, improving code readability and runtime efficiency by 80%;
- Conducted experiments utilizing blocked and interleaved factorial design. Applied ANOVA and clustering models to analyze participant behavior, suggesting directions for further research.

2023 & 2024 ASA DataFest | Consecutive Champion (Best User Experience Award) **Los Angeles, CA**

2023 DataFest: Improved American Bar Association's online Q&A platform

- Built core user profiles based on data from over 300,000 users and over 170,000 consultation records spanning six years;
- Identified issues with low user retention and activity according to user response frequency. Developed a five-stage funnel model to track user progression from registration to consultation completion;
- Performed attribution analysis of user churn at each stage, achieving an average reduction of 30% in churn across all stages.

2024 DataFest: Enhanced the learning experience of CourseKata

- Tracked over 100,000 browsing records from 1500 users and visualized connections among more than 70 course chapters, uncovering user learning footprints;
- Identified key patterns in user learning outcomes using the KNN model on user profiles and content categories. Proposed executable solutions that enhance learning performance by 40%.

UCLA Culture and Race/Ethnicity in Youth Mental Health Lab **Los Angeles, CA**

Research Assistant ***12/2022 – 07/2023***

- Investigated the impact of adaptations in Trauma-Focused Cognitive Behavioral Therapy (TF-CBT) on improving treatment outcomes for underrepresented racial and ethnic groups;
- Conducted independent data collection of over 500 TF-CBT session recordings, documenting session content and quantifying the collected data for analysis;
- Utilized SPSS to analyze results, computed inter-rater reliability, and identified significant correlations between protocol adherence and therapy outcomes.