Siqi Xiao (She/Her)

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Education

University of Southern California, MS in Computer Science - Applied Data Science Aug 2023 - May 2025
- **Coursework:** Machine Learning for Data Science, Foundations of Data Management

Shanghai Jiao Tong University, BS in Electrical and Computer Engineering Sept 2019 – Aug 2023
- Minors: Data Science, Entrepreneurship
- Honors: 1st class Outstanding Scholarship, Academic Progress Scholarship
- **Coursework:** Data Structures and Algorithms, Operating Systems, Introduction to AI

Skills

Programming Languages: Python, C/C++, Java, JavaScript

Frameworks & Technologies: PyTorch, TensorFlow, MySQL, NoSQL, MongoDB, Firebase, Hadoop, Apache Spark, HTML, CSS, NodeJS, Flutter, SpringBoot, RESTful API, Docker, AWS, Git, Tableau, Linux, Excel

Project Management: Agile (sprint planning/review, Kanban), OKR

Experience

AI Integration & Data Engineer Intern, 211 LA – Los Angeles, CA June 2024 – Present
- Added a chatbot feature to the website to reduce the organization's labor needs and improve referrals, significantly enhancing call handling efficiency and customer satisfaction rates.
- Analyzed data from the past 5 years using Tableau to build detailed caller profiles, identifying key demographic features of the target market and the most frequently asked questions, which contributed to higher user satisfaction.
- Collaborated with the UX/UI team and three AI companies to redesign the website and develop a unified AI system, which increased the second interaction rate and improved SEO performance.
- Conducted internal testing to ensure the chatbot's performance met standard criteria and made improvements by incorporating more protocols, taxonomy, and call examples into models, leading to an expected 500% improvement in first-time correspondence and referral rates.

Projects

Dream Diary App Jul 2024 – Present
- Developed a mobile application aimed at helping users understand their subconscious and themselves through daily dream logging and connecting with the community through dream sharing.
- Designed and developed RESTful APIs using Spring Boot to handle user authentication, and integrated with the ChatGPT API for visualizing and interpreting dreams based on user descriptions.
- Created a user-friendly interface for both IOS and Android platforms using Flutter, ensuring a seamless and engaging user experience.

Generative AI-Driven Large Scale Data Analysis About Bigfoot Sightings Jan 2024 – May 2024
- Led an innovative GenAI Bigfoot sightings analysis project by leveraging cutting-edge data science and Generative AI technologies, from data engineering to image generation and Entity Recognition, and finally ended with *visualization website* development.
- Performed NER, object recognition, and feature extraction using machining learning and NLP, and found sighting trends through generated images and captions using Stable Diffusion and Tika Image Dockers.
- Developed an interactive web-based platform using D3.js, integrating geolocation data, AI-generated content, and interactive visualization to present comprehensive insights into Bigfoot sightings.