

Amy Huang

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Education

Bachelor of Science in Computer Science
University of California, Irvine
Relevant Coursework: Data Management, Beyond SQL Data Management, Information Retrieval, Discrete Math for Comp Sci, Design & Analysis of Algorithms, Principles in System Design

June 2024

CGPA: 3.86/4.00

Technical Skills

Data Analysis Tools

Programming Languages

Dev Tools & Frameworks

SQL, Power BI, Excel, SAS, Databricks, NoSQL, MongoDB

Python, Java, JavaScript, HTML, CSS

Git, Node.js, React Native, Firebase, Figma

Work Experience

Independent Data Analyst Consultant | Kaiser Permanente
SQL (Oracle), SAS, Excel

January 2025 – Present

- Remediated 50+ clinical and operational SQL reports during the transition from the Clarity reporting environment to the Legacy Plus platform, validating and reconciling data to ensure accurate and uninterrupted reporting
- Diagnosed and resolved logic errors in a complex 'What-If' analytics tool used by Clinical Services Groups (CSGs) in San Bernardino County, CA, to calculate monthly composite scores across multiple performance measures, which rely on factors such as rates, weights, z-scores, and targets
- Automated SAS report scheduling and distribution, reducing manual workload and improving delivery accuracy and timeliness

Generative AI Project | Tata Consultancy Services (TCS)
Svelte, TypeScript, HTML, CSS, JavaScript

January 2024 – June 2024

- Developed a multi-agent Chat AI framework to mitigate bias in synthetic data generation, using an open-source Chat UI from Hugging Face with independent model integration and infrastructure
- Evaluated multiple large language models (LLMs), including Mistral 7B, LLaMA 2, GPT series, and Claude 2, to assess performance, accuracy, and bias
- Managed MongoDB backend operations to streamline data flow and system integrity

Projects

Health20
React Native, Firebase, Expo Go

March 2024 – August 2024

- Built a mobile app that recommends personalized actions to improve sleep, hydration, and fitness
- Developed a Firebase backend for secure data storage and user session persistence
- Integrated phone sensors and OpenWeather API to provide context-aware advice and track user progress

Certificates/Badges

SAS Programming 1: Essentials

Data Handling, Analysis, and Reporting | SAS.com

2025

Advanced Software Engineering

Data Structures + Job Readiness | Codepath

2022