Amy Huang

Report Developer | California, USA | 714-872-6859
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EDUCATION

University of California, Irvine – B.S. in Computer Science   June 2024
- Specialization in Intelligent Systems | CGPA: 3.864 / 4.000
- Relevant Coursework: Data Management, Beyond SQL Management, Discrete Mathematics for Computer Science, Design and Analysis of Algorithms, Principles in System Design

COOP Careers – Data Analytics Fellowship   December 2025
- Participated in a 16-week Data Analytics Fellowship, completing 200+ hours of Excel, Google Sheets, Tableau, and SQL training with hands-on projects, communication skills, and networking

SKILLS

Analytics & BI: SQL, Python, Databricks, SAS, Power BI, Tableau, Microsoft Office
Healthcare Systems & Reporting: Epic/Clarity (EHR & analytics), QNXT, Clinic Management Systems
Programming & Dev: JavaScript, Java, HTML/CSS, Git, Firebase, MongoDB, NoSQL Databases

WORK EXPERIENCE

Report Developer – Internship (20 hrs/week)   May 2024 – Present
Under the supervision of Sr. Consultant, Population Management – Kaiser Permanente
- Remediated 60 SQL and SAS reports during a system migration, performing data validation against specifications to ensure accurate, reliable reporting
- Designed and optimized SQL queries (Databricks, SQL Server, SQL Developer) to extract, transform, and validate large-scale healthcare and membership data (250k+ members)
- Automated recurring reports and streamlined data pipelines with SAS and SQL, reducing turnaround times and improving reporting consistency
- Interpreted and implemented HEDIS specifications, validated compliance metrics, and collaborated with regulatory teams to ensure accurate reporting across multiple health programs
- Recommended improvements to reporting architecture and data workflows to enhance performance, maintain integrity, and support quality improvement initiatives

TECHNICAL PROJECTS

Marketing Campaign Performance Analysis | *Capstone Project – COOP Careers*   October 2025 – November 2025
Team Lead of 4 – github.com/AmyLHuang/Marketing-Campaign-Performance-Analysis
- Built KPI frameworks (CPA, CTR, CPM, CVR, vCPM, Viewability) to benchmark performance and surface cost-efficient locations, audiences, creatives, and inventory
- Performed spatial and market-level analysis to identify top and bottom performing states, driving state-level optimization recommendations that reduced inefficient spend and improved CPA
- Delivered strategic recommendations on creative performance, device targeting, audience testing, and location bidding to guide next-phase media planning

Multi-Agent GenAI | *Capstone Project – UC Irvine, Tata Consultancy Services (TCS)*   January 2024 – June 2024
Team of 4 – github.com/wfigura/TCS-Synthetic-Data-Capstone-Project
- Developed a multi-agent framework where one model generated synthetic data and another evaluated for bias, enabling dynamic data correction and improved fairness
- Integrated multiple large language models (LLMs) (Mistral 7B, LLaMA 2, GPT-4, Claude 2) into the system and implemented logic for cross-model communication and bias mitigation
- Managed backend integration using MongoDB to support seamless data flow, model interaction, and performance monitoring across agents

CERTIFICATIONS

Google Advanced Data Analytics Professional Certificate (Coursera), 2025
Google AI Essentials (Coursera), 2025
SAS Programming 1: Essentials (SAS.com), 2025