Amy Huang

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EDUCATION

Georgia Institute of Technology   In Progress
Master of Science in Computer Science

University of California Irvine   June 2024
Bachelor of Science in Computer Science   GPA: 3.89/4.00

   Relevant Coursework: Probability & Statistics, Machine Learning & Data Mining, Data Management, Advanced SQL Systems, Informational Retrieval, Artificial Intelligence, Database & Web Applications Projects

RELEVANT TECHNICAL 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

EXPERIENCE

Report Developer Intern in Healthcare   May 2024 – December 2025
- Remediated and validated 60+ SQL and SAS reports during system migration, ensuring alignment with technical specifications and data accuracy
- Designed and optimized SQL queries across Databricks, SQL Server, and Oracle SQL Developer to extract, transform, and validate large-scale healthcare and membership data (250k+ records)
- Automated recurring reports and streamlined SQL/SAS-based data pipelines, reducing report turnaround time and improving consistency and reliability
- Interpreted and implemented HEDIS specifications, validating compliance metrics, and partnering with regulatory teams to support reporting across multiple health programs
- Identified and recommended improvements to data workflows and reporting architecture, improving query performance, data integrity, and audit readiness

Data Analytics Fellow at COOP Careers   August 2025 – December 2025
- Completed 200+ hours of project-based training in SQL, Excel, Google Sheets, and Tableau, applying analytics to real-world business use cases
- Built and analyzed KPI frameworks (CPA, CTR, CPM, CVR, vCPM, Viewability) to evaluate marketing campaign performance and identify cost-efficient audiences, creatives, and inventory
- Conducted state-level and spatial performance analysis to identify top- and bottom-performing markets, informing optimization recommendations that reduced inefficient spend and improved CPA by 12%
- Delivered data-driven insights on creative performance, device targeting, audience testing, and location bidding to guide next-phase media planning decisions
- Presented findings through Tableau dashboards and stakeholder-ready summaries, translating data into actionable recommendations

PROJECTS

Multi-Agent Data Quality & Bias Analysis, UC Irvine, Tata Consultancy Services (TCS) – *Capstone Project*
- Developed a multi-agent framework to generate synthetic datasets, evaluate for bias, and implement iterative corrections, improving overall data quality and fairness
- Integrated outputs from multiple large language models (GPT-4, Claude 2, LLaMA 2, Mistral 7B) and implemented bias evaluation and corrective workflows, improving dataset consistency and fairness metrics
- Managed backend data storage and tracking using MongoDB, supporting reproducible analysis, model comparison, and performance monitoring

CERTIFICATIONS

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