

# Amy Huang

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

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### University of California, Irvine – B.S. in Computer Science Jun 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 In Progress

- Participating in a 16-week Data Analytics Fellowship, completing 200+ hours of Excel, Google Sheets, Tableau, and SQL training with hands-on client projects, communication skills, and networking

## SKILLS

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**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

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### SQL Report Developer – Volunteer (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

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### Multi-Agent GenAI | [github.com/wfigura/TCS-Synthetic-Data-Capstone-Project](https://github.com/wfigura/TCS-Synthetic-Data-Capstone-Project) Jan 2024 – Jun 2024

*Capstone Project – UC Irvine in partnership with Tata Consultancy Services (TCS)*

- 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

### Health20 | [github.com/AmyLHuang/Health20](https://github.com/AmyLHuang/Health20) Mar 2024 – Apr 2024

*Academic Project – UC Irvine*

- Built a mobile app that recommends personalized actions to improve sleep, hydration, and fitness
- Designed a Firebase backend for secure data storage and session tracking, supporting user analytics
- Integrated external APIs (OpenWeather, phone sensors) to deliver context-aware insights, increasing user engagement and relevance of health advice

## CERTIFICATIONS

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**Google AI Essentials** (Coursera), 2025 | **SAS Programming 1: Essentials** (SAS.com), 2025