

Amy Huang

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Education

Bachelor of Science in Computer Science

Specialized in Intelligent Systems
Cumulative GPA: 3.864/4

University of California, Irvine
October 2020 – June 2024

Technical Skills

Data Analysis & Tools

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

Programming Languages

Python, Java, JavaScript, HTML, CSS

Dev Tools & Frameworks

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

Work Experience

Tata Consultancy Services (TCS)

January 2024 – June 2024

Software Developer Intern

Remote

- Enhanced and extended a Chat AI framework from Hugging Face by implementing a multi-agent architecture to mitigate bias in large language models (LLMs) during synthetic data generation
- Performed in-depth evaluations across diverse LLMs – including Mistral 7B, LLaMA 2, GPT series, and Claude 2 – assessing performance and bias mitigation
- Managed backend operations using MongoDB, ensuring efficient data handling

University of California, Irvine

October 2023 – June 2024

Information and Computer Science Tutor

Irvine, CA

- Coordinated with a supervisor and 11 other students to provide a free help center for 100+ undergrads who had any questions on course material
- Covered 5+ courses, including Discrete Math for Computer Science, Data Structure Implementation and Analysis, Python Programming and Libraries (Advanced), Programming in Java, etc.

Projects

Health20

March 2024 – April 2024

React Native, Firebase, Expo Go

- Developed a mobile application that improves the user's sleep schedule, exercise frequency, and hydration level by designing a personalized recommendation system
- Established a backend-to-frontend communication using Firebase for user authorization and storing data, allowing user info to be saved between sessions
- Collected data from phone sensors, user input, and OpenWeather API to provide accurate advice

MovieShop

April 2024 – March 2025

Java, SQL, HTML, CSS, JavaScript, Maven, Tomcat

- Designed a web application where users can browse and buy movies
- Engineered and deployed a MySQL database connected to the frontend using Java Servlets, managing 10,000+ movie records and facilitating seamless data retrieval
- Implemented over 20 features, including a cart checkout backed by sessions, full-text search and auto-complete backed by cache, and protection against SQL injection attacks via PreparedStatements

Certificates/Badges

SAS Programming 1: Essentials
Advanced Software Engineering

SAS.com
Data Structures + Job Readiness

2025
2022