Sarah He

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EDUCATION

University of California, San Diego — Expected Graduation: June 2026
Bachelor of Science in Data Science — *Provost Honors, GPA: 3.93/4.00*

EXPERIENCE

Data Science Intern — August 2024 - Present
A Round Entertainment — *Jersey City, NJ*
- Collected and processed large datasets of artists and concert information through APIs and web scraping
- Developed machine learning models to predict concert revenue for Asian artists
- Visualized model results to effectively communicate insights to stakeholders

Human Resource Intern — August 2024 - Present
A Round Entertainment — *Jersey City, NJ*
- Automated attendance tracking by processing employee attendance logs in Excel, streamlining analysis of performance trends to support data-driven decision-making
- Facilitated effective communication between employees and management

Webmaster — January 2024 - Present
The Guardian UCSD — *La Jolla, CA*
- Regularly updated The Guardian website with fresh content to enhance online reach and audience engagement
- Maintained 80+ staff profiles and optimized links on the site

Data Visualization Staff, Photographer — October 2023 - Present
The Guardian UCSD — *La Jolla, CA*
- Collected and interpreted datasets to produce informative and interactive graphics
- Cover diverse content to produce photographs that complemented and enriched articles

PROJECTS

EcoMenu | *Python, Node.js, Tableau, HTML, CSS, JavaScript* — August 2024
- Sourced, compiled, and cleaned datasets on the carbon footprint of over 350 food ingredients and 2100 recipes
- Developed web application enabling users to select ingredients and receive low-carbon recipe recommendations
- Presented visualizations to showcase insights from the recipe and ingredient data
- Boost Hacks II winner (Most Creative Hack), CirFin CREATE finalist

San Diego Crime Analysis | *Python, Tableau* — July 2024
- Analyzed 4 years of crime data in San Diego, identifying trends and correlations for effective data presentation
- Built interactive dashboard with Tableau to visualize statistics and trends of various crime types

Starry Sticker Shop Analysis | *Python, Tableau* — July 2024
- Analyzed sales patterns and customer sentiment for actionable insights for business growth
- Visualized shop performance from 4 years of small business data using both Python and Tableau

Dino Diet | *Python, HTML, CSS, Flask, JavaScript* — April 2024
- Implemented XGBoost classifier on dinosaur diets with 93% accuracy
- Built Flask application that allows users to select dinosaur features and view corresponding diet predictions
- Developed frontend web page design with data visualizations to showcase statistics

CERTIFICATION

Supervised Machine Learning: Regression and Classification — March 2024
DeepLearning.AI, Stanford Online

LEADERSHIP

Starry Sticker Shop — June 2020 – September 2023
Co-Founder — *Temple City, CA*
- Grew Etsy business to 270+ global orders by leveraging social media marketing
- Managed all aspects of product design, customer service, and financial planning

Temple City Infinity Math Circle — March 2020 – August 2023
Co-Founder, Head of Planning Committee, Instructor — *Temple City, CA*
- Oversee summer program offering 200+ elementary and middle school students weekly math lessons
- Lead weekly committee meetings to develop class materials for 24 areas of study

SKILL SET

Technical: Python, Java, SQL, Tableau, HTML/CSS, JavaScript, Excel, LaTeX, Git, Jupyter Notebook, Figma, Flask
Production: Adobe Lightroom, Adobe Photoshop, CapCut, PowerPoint