

Sarah He

(626) 233-1717 | yih092@ucsd.edu | sarahhe05.github.io/sarah-he/

EDUCATION

University of California, San Diego

Bachelor of Science in Data Science

Bachelor of Science in Cognitive Science Spec. Machine Learning and Neural Computation

La Jolla, CA

Sep. 2023 – Present

CERTIFICATION

Supervised Machine Learning: Regression and Classification

DeepLearning.AI, Stanford Online

March 2024

PROJECTS

Starry Sticker Shop Analysis | *Python, Tableau*

July 2024

- Analyze small business shop data to assess sales patterns and customer sentiment
- Visualize shop performance using Python and Tableau

Dino Diet | *XGBoost, Flask, Python, HTML, CSS, JavaScript*

April 2024

- Implement XGBoost classifier to the diet of dinosaurs with 93% accuracy
- Built Flask application for users to selected dinosaur features
- Develop frontend web page design with data visualizations to showcase statistics

Pasta Detector | *TensorFlow, Flask, Python, HTML, CSS, JavaScript*

February 2024

- Develop image classification web application to distinguish between different pasta types
- Train machine learning model to classify pasta images
- Implement frontend web page design and development

EXPERIENCE

The Guardian Online

Webmaster

January 2024 - Present

La Jolla, CA

- Update The Guardian website and publish content online following each print edition
- Maintain 80+ staff profiles and links on site

The Guardian

Data Visualization Staff, Photographer

October 2023 - Present

La Jolla, CA

- Aggregate and interpret large data sets to produce informative and interactive graphics
- Cover diverse content to produce photographs accompanying articles

Kode With Klossy

Scholar

July 2021, July 2022

Los Angeles, CA

- Learn fundamentals of JavaScript, HTML, CSS, and SQL for Web Development and Data Science
- Work in a team of 3 to program an informative and interactive website regarding ocean protection

LEADERSHIP

Starry Sticker Shop

Co-Founder

June 2020 – September 2023

Temple City, CA

- Found Etsy small business, design products and address customer service inquiries
- Manage finances with 270+ global orders

Temple City Infinity Math Circle

Co-Founder, Head of Planning Committee, Instructor

March 2020 – August 2023

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 Skills: Python, Java, SQL, JavaScript, HTML/CSS, Tableau, LaTeX, Git, Jupyter Notebook, Flask

Production: Adobe Lightroom, Adobe Photoshop, CapCut