

# Sarah He

(626) 233-1717 | [yih092@ucsd.edu](mailto:yih092@ucsd.edu) | [sarahhe05.github.io/sarah-he/](https://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

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

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

April 2024

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

- 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

February 2024

## EXPERIENCE

### The Guardian Online

*Webmaster*

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

January 2024 - Present

La Jolla, CA

### The Guardian

*Data Visualization Staff, Photographer*

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

October 2023 - Present

La Jolla, CA

### Kode With Klossy

*Scholar*

- 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

July 2021, July 2022

Los Angeles, CA

## LEADERSHIP

### Starry Sticker Shop

*Co-Founder*

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

June 2020 – September 2023

Temple City, CA

### Temple City Infinity Math Circle

*Co-Founder, Head of Planning Committee, Instructor*

- 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

March 2020 – August 2023

Temple City, CA

### Templar Yearbook

*Photography Editor, Photographer*

- Lead staff of 30 to create a 276-page publication, train and manage 10 photographers
- Awarded Staffer of the Year with work published on Herff Jones eDesign webpage front page

August 2021 – June 2023

Temple City, CA

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, JavaScript, HTML/CSS

**Developer Tools:** Git, Jupyter Notebook, Flask

**Miscellaneous:** Adobe Photoshop, Adobe Lightroom