

# Sarah He

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## EDUCATION

### University of California, San Diego

*Bachelor of Science in Data Science*

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

Expected Graduation: June 2026

*Provost Honors, GPA: 3.92/4.00*

## PROJECTS

### San Diego Crime Analysis | *Python, Tableau*

July 2024

- Analyze 4 years of crime data in San Diego to identify trends and correlations presented
- Build interactive dashboard with Tableau to visualize statistics and trends of various crime types

### Starry Sticker Shop Analysis | *Python, Tableau*

July 2024

- Analyze 4 years of 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
- Implement frontend web page design and development

## EXPERIENCE

### The Guardian Online

January 2024 - Present

*Webmaster*

*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

October 2023 - Present

*Data Visualization Staff, Photographer*

*La Jolla, CA*

- Collect and interpret datasets to produce informative and interactive graphics
- Cover diverse content to produce photographs accompanying articles

### Kode With Klossy

July 2021, July 2022

*Scholar*

*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

## 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*

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

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

**Production:** Adobe Lightroom, Adobe Photoshop, CapCut