

# ANGELINA TSAI

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## EDUCATION

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**Harvey Mudd College — Claremont, CA**

August 2022- May 2026

***B.S. in Computer Science and Physics | Emphasis in Data Science***

**Dean's List** | GPA: 3.4/4.0

**Relevant coursework:** Computer Systems, Data Structures and Program Development, Mathematical and Computational Methods, Quantum Physics, Electromagnetic Theory and Optics, Differential Equations, Discrete Mathematics, Principles of Computer Science, Multivariable Calculus, Linear Algebra, Mechanics and Wave Motion

## SKILLS

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Languages: English, Chinese (Mandarin)

Programming Languages: Python, Java, C++, JavaScript, React, HTML, Cascading Style Sheets (CSS), Racket

Software: Microsoft Suite, Google Suite, Adobe Photoshop

Other: Statistical Analysis, Public Relations, Social Media- Twitter, Facebook, Instagram, YouTube

## WORK EXPERIENCE

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**Web Development/Data Processing Internship**

Jun. 2023 – Aug. 2023

*Axient Corp. (Project SES III- GLOBE Observer)*

- Designed a web scraping program to enable users to access previously inaccessible data, improving user interface and data availability. Publication: Improving the My Observations Page with Satellite Match Links and More
- Resolved website design issues where elements would disappear when page resolution changed to ultimately improve accessibility, clarity, and user experience.
- Manipulated data and automated Excel tasks using Python pandas library, reading, sorting, and combining spreadsheets to provide desired data to the GLOBE API.

**Social Media and Communications Part-Time Intern**

Nov. 2021 – May 2024

*Science Systems and Applications, Inc.(SSAI)—Axient Corp.*

- Produced and edited content for multiple accounts, working amongst multiple teams and organizations.
- Conducted statistical analysis of social media metrics and presented the findings to team members and management.
- Summarized monthly social media efforts in reports to be shared with team members, supervisors, and peers in other organizations. Attended and documented large teleconference meetings to accurately report discussed content.

**Administrative Assistant (Volunteer Position)**

Dec. 2020 – Present

*Animal Rescue Konnection (ARK)*

- Assisted on projects, such as reports, expository writing, and inspection of ARK's website. Accounted for monthly donations and transactions.

## EXTRACURRICULARS

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**CMS Women's Water Polo-** Goalkeeper competing for Claremont Mudd Scripps' D3 NCAA Water Polo team. Awarded Superior All-Academic designation by the Association of Collegiate Water Polo Coaches (ACWPC).

**p-AI Project Member (p-Newspaper)-** Collaborated with a team to create a personalized news website, incorporating a database using AWS services for efficient storage and retrieval of news articles. Developed a ChatGPT-based news fetch API to retrieve news articles based on user prompts and inputs.

**Asian Pacific Islander Sponsorship Program at Mudd (APISPAM)-** Head sponsor for Asian Pacific Islander affinity group at Harvey Mudd College.