

# MADDIE ADAIR

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## Education

### University of Houston

August 2020 – May 2025

*Bachelor of Science in Computer Science*

*Houston, TX*

- Minors in Mathematics and Chinese Studies
- Cumulative GPA: 3.89
- Dean's List: Fall 2020, Fall 2021, Spring 2022, Fall 2022, Fall 2023, Spring 2023

## Experience

### University of Houston, Department of Computer Science

August 2023 – Present

*Academic Support Assistant (Undergraduate Tutor)*

*Houston, TX*

- Conduct individual and group tutoring sessions for students in classes ranging from Introductory Python and C++ to Data Structures and Programming (Python/C++).
- Collaborate with other tutors and program director to develop effective instructions, tutoring plans, and exam reviews for students.
- Provide students with constructive feedback and comprehensive code reviews to develop and improve their programming skills.

### Kung Fu Tea

June 2022 – Present

*Barista and Cashier*

*Pearland, TX*

- Communicate with an average of 300 customers per day to ensure quality customer service.
- Serve a minimum of 50 customers hourly while carrying out managerial lead roles.
- Advertise store program subscriptions through sales tactics to reach membership sales objectives.

## Projects

### Chinese Worksheet Generator | JavaScript, Python, Next.js, Django, PostgreSQL

August 2023 – Present

- Developed a web application to aid in the practicing of Chinese writing skills and character recognition.
- Used Figma to design the front-end appearance and to experiment with UI features.
- Leveraged Django's ORM API to interact with a PostgreSQL database to generate and store character/word data.

### Portfolio Website | JavaScript, Next.js

July 2023 – August 2023

- Created a responsive and functional personal portfolio website with Next.js, JavaScript, and TailwindCSS.
- Utilized TailwindCSS to create a fluid and visually appealing UI/UX design to elevate user experience.

## Technical Skills

**Languages:** Python, C++, HTML/CSS, JavaScript, TypeScript, Java, SQL, R

**Developer Tools:** Git, VS Code, SendGrid API, Linux, Figma

**Technologies/Frameworks:** React, Next.js, Node.js, Django, Flask, MongoDB, PostgreSQL, TailwindCSS

## Extracurriculars

### Houston Humane Society | Volunteer

Spring 2023 – Present

- Educate the public on animal welfare issues at Education and Community Outreach events.
- Facilitate summer youth camp groups and assist staff with weekly projects and administrative tasks.
- Aid with the distribution of pet supplies and adoption information at mobile adoptions and pet food drives.

### CougarCS | Member

Spring 2023 – Present

- Participate in technical workshops, weekly professional meetings, and corporate mixers.

### CS Girls | Member

Fall 2022 – Present

- Engage in weekly coding challenges, professional info sessions, and community outreach programs.
- Promote the fields of science and technology to women and other underrepresented groups within the community.

### CALCO (Chinese Language and Culture Organization) | Member

Fall 2022 – Present

- Assist in the promotion of the Chinese culture, history, and language through the participation and advertising of cultural immersion activities and workshops.