

Emily Wax

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Science

GPA: 3.8/4.0 || Dean's Honor Roll

College Station, Texas

May 2024

EXPERIENCE

Raytheon Intelligence & Space

Software Engineering Intern

Worked on the AIML Skills-Adapter IRAD

Mckinney, Texas

June 2022 – August 2022

- Embedded hashtable into an OMS messaging system to identify & connect a processed image with its original.
- Wrote Dockerfile to run Pytorch, Python, and other dependencies required for the project.
- Wrapped a Python decorrelation script in C++ using the Python C API so images could be decorrelated and shared using Data volumes.
- Obtained Secret level DoD security clearance.

Texas A&M University

Outdoor Adventures Staff

College Station, Texas

March 2022 - Present

- Ensures the safety of all those climbing in the Texas A&M Indoor Climbing Facility.
- Uses knowledge of outdoor activities to provide the best gear rental experience for students at Texas A&M through the Outdoor Adventures Rental Center.

Undergraduate Research

Web Development

College Station, Texas

July 2022 – Present

- Using Django framework (Python-based) to develop a signature embedding feature that will preserve the designer's rights to their products.
- Enhance the structure of the 3D printing marketplace to include bartering, a communication system, and a matching system to connect customers, designers, and manufacturers.

ACTIVITIES/LEADERSHIP

Freshmen Reaching Excellence in Engineering (FREE)

Development Counselor

College Station, Texas

May 2021 – May 2022

- Led construction and design of a "shack" structure for Habitat for Humanity's Shackathon service event.
- Ran the BIG family program, including a catered tailgate for over 100 people and providing events for upperclassmen mentors to help freshman engineering students.

FRC Robotics Team 8055

Alumni Mentor

Mechanical & Business Team Lead

Frisco, Texas

August 2020 - Present

October 2019 - May 2020

- Designed, prototyped, and constructed intake system and chassis for 2019-2020 robotics season.
- Mentored prospective software engineers throughout the 2021-2022 build season.

SKILLS & INTERESTS

Languages: Fluent in English; Conversational proficiency in Spanish

Technical Skills: C++, Python, Java, Haskell, Microsoft Office, Gitlab, Docker, Cmake, Linux, Agile Development, Jira, Confluence, DevSecOps, CI/CD Pipelines, Django

Interests: Rock climbing, Guitar, Electric Bass, Slacklining, Hiking, Traveling