Eva Yiwen Cao

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EDUCATION

Texas A&M University **May 2029**

B.S. Computer Science; Minor in Electrical Engineering | *Engineering Honors*

Relevant Coursework: Data Structures and Algorithms, Computer Organization, Program Design and Concepts, Discrete Structures for Computing, Linear Algebra, Multivariable Calculus, Differential Equations, Principles of Statistics

PROJECTS

Tempura POS | Figma, TypeScript, CSS, HTML, React, Git **Jan 2026**

- Designed a mobile-first UI design system in Figma within 24 hours at TAMUHack 2026, focusing on intuitive layouts for real-time table management, dynamic order and inventory tracking, staff communication, and sales analytics
- Implemented responsive, reusable components to turn Figma wireframes into a functional mobile restaurant POS system

What the Flip Infinite Scroller Game | Godot, GDScript, PixilArt, Git **Oct 2025**

- Won "Best Assets" out of 50 teams at HowdyHack 2025 by designing and animating original assets and co-developing a skater-themed infinite scroller game in Godot using GDScript
- Led visual design and worked on technical implementation of assets, animating player state-machines in PixilArt and programming a group-managed obstacle collision and spawning system in Godot

Service Hour and Attendance Trackers | Google Apps Script, HTML, JavaScript **Aug 2024**

- Optimized data integrity and minimized manual logging for 800+ members by processing 5,000+ secure database submissions through a two custom full-stack web apps engineered with Google Apps Script backends
- Prevented database entry errors by implementing client-side HTML/JS form validation and backend form validation

Color-to-Text Prototype | C++, Arduino Nano 33 BLE Sense Board **Nov 2021**

- Built a real-time assistive color-translation prototype by soldering custom circuitry onto an Arduino Nano 33 BLE Sense and writing C++ code to process raw RGB sensor inputs
- Achieved 90% accuracy in system testing by processing sensor inputs into natural language descriptions on an external display

EXPERIENCE

Texas A&M College of Engineering **Aug 2026 – Present**

Teaching Assistant

- Facilitated **30+** lessons and graded **200+** projects and assessments, strengthening students' debugging and code-quality habits
- Provided 1-on-1 mentorship for a **4,000+** first-year engineering student body in Python by holding weekly office hours

TAMUhack **Apr 2026 – Present**

Creative Director

- Drew **20,000+** visitors annually by designing and developing responsive hackathon website experiences using Figma and Astro
- Streamlined website updates and merchandise delivery for **800+** attendees working with developers on UI implementation and logistics on asset pipelines

Society of Asian Scientists and Engineers (SASE) **Sep 2025 – Present**

Technical Marketing Director (Prev. Design Intern) | *Texas A&M Chapter*

- Accumulated **1.4M+** views through designing original creative graphics and filming and editing promotional videos
- Headed a team of **10** design interns in creating **120+** promotional graphics and planning and leading **2** design workshops

National Honor Society (NHS) **Aug 2023 – May 2025**

Vice President of Membership (Prev. Member) | *Plano West Chapter*

- Automated administration for **800+** members by building the chapter's first attendance and service-hour tracking platforms
- Led informative meetings for **200+** students at a time coordinating volunteer initiatives and digital submission platforms
- Volunteered **80+** hours (packed food shipped globally, led booths at local events, docent/usher at Robinson Fine Arts Center)

TECHNICAL SKILLS

Software Development | C++, Python, Java, JavaScript, Typescript, HTML, Next.js, Tailwind CSS, Astro, Google Apps Script, Godot
2D and 3D Design | Figma, Autodesk Fusion360, KiCAD, ibisPaint X, Pixilart, Procreate, Capcut
Circuit Design | National Instruments Multisim, KiCAD, Texas Instruments semiconductor chips
Languages | English (Native/Bilingual proficiency), Mandarin Chinese (Native/Bilingual proficiency)

AWARDS AND HONORS

- HowdyHack Best Assets | TAMUHack | 2025
- Digital Divas Advanced Division Second Place | DFW Computer Science Teachers Association | 2025
- AP Scholar with Distinction | College Board | 2023, 2024, 2025
- National Silver Medal; Regional Gold Key, Silver Key, Honorable Mention (Art) | Scholastic Art & Writing | 2023, 2025