

EMMA HSIAO

College sophomore interested in using artwork, graphic design, and digital media in conjunction with science and technology.

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EDUCATION

University of Massachusetts Amherst, Amherst, MA
CLASS OF 2025

GPA: 4.0/4.0

Relevant Coursework: Honors Biology 161 & 162 (BIOTAP), Honors English 112 (Commonwealth Honors College)

Weston High School, Weston, MA
CLASS OF 2021

ACT: 36 (superscore)

Relevant Coursework: Graphic Design, AP Art, AP World History, AP US History, AP Biology, AP Calc, AP Computer Science, AP Psychology

PROJECTS

SEPTEMBER 2019 - PRESENT

Tale of Scales Poker Cards

Designed, crowdfunded, and manufactured a deck of reptile and amphibian themed playing cards [to promote awareness of the diversity of herpetofauna](#).

The Tale of Scales deck was 100% funded on Kickstarter in 10 days, and [raised over \\$6,000 total](#).

Tale of Scales is pending sale in retail stores.

MARCH 2021 - MAY 2021

Eastshire: Overcast Video Game

Designed, programmed, illustrated, and created a soundtrack for a single-player Role Playing video Game (RPG) using Gamemaker Studio 2, Photoshop, LMMS, and Musescore.

OCTOBER 2017 - PRESENT

Monetized YouTube Channel & Adobe Skills

Individually running a YouTube channel under the name "Haasio Draws" [and creating and managing content](#). The channel has 20,000 subscribers. Proficient with Adobe Premiere Pro, Media Encoder, InDesign, Dreamweaver, and Photoshop.

EXPERIENCE

JULY 2021 - PRESENT

Research Intern at the Liu Lab at Harvard SEAS

Visiting undergraduate research intern at the Liu lab at Harvard SEAS. Collaborated with scientists at the Broad Institute of MIT and Harvard as well.

JANUARY 2022 - PRESENT

Undergraduate Researcher/3D Artist

Paid undergraduate researcher using BeastCam technology to [create scientifically accurate 3D models of animals](#) at the Irschick Lab at UMass Amherst.

JANUARY 2020 - PRESENT

Scientific Illustrator

Contributor to Van Wallach's (Harvard Museum of Comparative Zoology) species description papers. [Illustrated *Ramphotyphlops mollyozakiae*, and *Indotyphlops timorensis*](#).

JULY 2020 - SEPTEMBER 2020

UI Designer for Artix Entertainment (Paid Contract)

Created icons and proposed UI adjustments for the video game *AdventureQuest 3D*.

VOLUNTEERING

JUNE 2020-SEPTEMBER 2020

Waquoit Bay National Estuarine Research Reserve Content Creation

Analyzed data, created brochures, infographics, exhibit activities, and other resources [to present their water quality data more readily accessible and understandable by the public](#). Initiated and organized a group of programmers and another graphic designer who were also working on this project and handled communication between the researchers and the group.

JULY 2019-AUGUST 2021

Designer for the Advocates for Snake Preservation (Volunteer)

Created designs for [campaigning and merchandise for the Advocates for Snake Preservation \(ASP\)](#). Started an eco-friendly online store to help ASP fund their research.

AUGUST 2019 - AUGUST 2021

Processing Frog Reintroduction Data

Collaborated with Joe Martinez from the [Harvard Museum of Comparative Zoology](#) to help monitor frog reintroduction at Mt. Auburn Cemetery by analyzing audio samples and translating it into quantitative data. Used the Kaleidoscope software for sound analysis.