



# EMMA HSIAO

Multidisciplinary artist with an interest in integrating visual storytelling with science and technology.



## EDUCATION

**Brown University**, Providence, RI  
CLASS OF 2025 (CURRENT)

Major: Biology, Art

**University of Massachusetts Amherst**, Amherst, MA  
CLASS OF 2025 (FALL 2021-FALL 2022)

Major: Biology  
GPA: 4.0/4.0

**Relevant Coursework:** Genetics 311, Plant Biology 350, Organic Chemistry 261, Honors Biology 161 & 162 (BIOTAP), Honors English 112 (Commonwealth Honors College)

## 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 - PRESENT

### Video Game Development

Contributed to several small game projects as an artist, musician, and programmer.

Proficient in several different art programs, and can create in different styles (pixel art, 3D, anime, etc). Familiar with digital audio workspaces such as LMMS, and with Gamemaker Studio 2.

OCTOBER 2017 - PRESENT

### Monetized YouTube Channel & Adobe Skills

Individually running an art and animation YouTube channel under the name "Haasio". The channel has 20,000 subscribers.

Proficient with Adobe Premiere Pro, After Effects, Character Animator, InDesign, Dreamweaver, and Photoshop.



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## EXPERIENCE

JULY 2021 - PRESENT

### Research Intern at the Liu Lab at Harvard SEAS

Visiting undergraduate research intern at the Liu lab at Harvard SEAS. Collaborating with scientists at the Broad Institute of MIT and Harvard to create visualizations of their data, as well as cover illustrations.

JANUARY 2020 - PRESENT

### Scientific Illustrator

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

JANUARY 2022 - DECEMBER 2022

### Undergraduate Researcher/3D Artist

Undergraduate researcher using BeastCam technology and photogrammetry software to create scientifically accurate 3D reconstructions of animals at the Irschick Lab at UMass Amherst.

JUNE 2022 - AUGUST 2022

### UI/UX Design Intern for Cuely

Helped develop a user onboarding program for a mental health wellness app.

JULY 2020 - SEPTEMBER 2020

### UI/UX Designer for Artix Entertainment (Contract)

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

JUNE 2020-SEPTEMBER 2020

### Waquoit Bay National Estuarine Research Reserve Content Creation

Organized meetings, analyzed data, created brochures, infographics, exhibit activities, and other resources to present water quality data more accessibly to the public.



## PUBLICATIONS

O'Shea M, Wallach V, Hsiao E, Kaiser H. 2022.

"Anteaters" under the airport: a slender new species of blindsnake, genus *Indotyphlops*, from Timor-Leste (Scolecophidia: Typhlopidae: Asiatyphlopinae). Canadian Journal of Zoology.

