

# Esther Han

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## Education

**Cornell University**, College of Agriculture and Life Sciences  
*B.S. Information Science (Concentration: UI/UX Design)*  
GPA: 3.65; Dean's List Fall 2021, Spring 2022

**Ithaca, New York**

*Expected Graduation Date: May 2025*

**Relevant Coursework:** Introduction to Computing Using Python, Object-Oriented Programming and Data Structures, Introductory and Intermediate Design and Programming for the Web, Calculus, Statistics, Communications and Technology, Networks, Trends in Web Development

## Technical Skills

Proficient in Web Development (HTML, CSS, JavaScript), Python, Java, GitHub, PHP, JUnit, Adobe Photoshop, Pygame library, Microsoft Office (Word, PowerPoint, Excel), G-Suite

## Projects

### Personal Website (LINK)

**Winter 2022**

- Developed a website from scratch utilizing HTML, CSS, and JavaScript to ensure an intuitive and user-friendly interface
- Utilized PHP for server-side scripting to optimize the website's performance, functionality, and interactivity
- Designed and optimized the website to provide a seamless user-friendly experience across all devices and screen sizes
- Optimized website performance and maintainability through proper use of semantic HTML and efficient CSS selectors
- Incorporated user feedback and testing insights to regularly enhance website functionality and user experience
- Utilized GitHub which allowed version control and seamless collaboration with others in the development of the website

### Planetoids (LINK)

**Spring 2023**

- Created and developed Planetoids, an engaging 2D space shooter game, leveraging Python and the Pygame library
- Designed and implemented the game mechanics, including player movement, enemy behavior, and collision detection
- Utilized various Python modules and tools effectively to create Planetoids graphics and sound effects
- Implemented object-oriented programming principles to enhance code organization and maintainability
- Conducted comprehensive testing and debugging of the game to guarantee a smooth and enjoyable user experience
- Updated the game based on user feedback and testing to ensure it meets modern game development standards

## Work Experiences

### Volunteers Around the World - Global Health Alliances

**Ithaca, New York**

*Social Media Manager, Secretary*

*December 2021-Current*

- Collaborated with colleagues through rigorous designing, planning, and programming to successfully produce a website
- Curated visually compelling weekly graphics for social media pages utilizing Adobe Photoshop, CSS, and HTML
- Managed social media posts, stories, and newsletters, and curated posts to those looking to get involved in the mission
- Developed fundraising strategies and created graphics for social media pages to advertise fundraising initiatives

### Yale Presbyterian Church of New York

**Hicksville, New York**

*Instructor*

*July 2022-August 2022*

- Conducted weekly lessons and assessments of 100+ students in reading and math using the NY State curriculum
- Collaborated with other instructors on activities, including games, arts and crafts, and songs to increase student engagement
- Organized weekly leadership meetings to analyze student feedback and propose changes in weekly lesson plans
- Produced a video presentation through the creation of a screenplay (Microsoft Office) and film editing (Davinci Resolve)

### Musical Relief

**Long Island, New York**

*Co-Founder, Flute-Mentor*

*June 2020-June 2021*

- Co-founded Musical Relief—an organization providing free music lessons to students both locally and internationally
- Organized a community fundraiser for local retirement homes' food delivery fund, currently having raised 4600 dollars
- Planned and presided over weekly board meetings to set fundraising and recruiting goals and analyze current progress
- Reached out to 15 All-State and Juilliard pre-college students to gain qualified musical instructors for the organization
- Designed and produced advertisements for the organization to distribute through print-advertisement and social media

## Languages

Korean (fluent), Spanish (proficient)