

Final Project Write Up

1 Write-up

The goal of your write-up is to clearly convey the work you did on this project (i.e., make it VERY clear to your TAs how to evaluate your work). The following will also be useful to you when you showcase it. **In your write-up, please clearly mark each part (i.e., Part 1, Part 2 and so on).**

- (1) **Part 1:** In 300 words (only!) describe your website (We will stop reading at 300 words, so please be concise). Include the following:

This is a prototype of my portfolio website, which showcases my projects in educational game design. ***The website can fit desktop and iPhone SE mobile screens. There are also no errors in the WAVE check as shown in the Appendix below.*** Education game design is a niche interest that I wanted to focus on for the scope of this project. I want to show that I am both a user experience designer and an artist. My target audience are recruiters and hiring managers in the game industry. There is a homepage that lists the projects I worked on this semester. These can be clicked on to see more details. Each project page provides detailed information of the overview, role, research and design that was done. There is also an “About” page that shares my story as a career changer from accountant to designer. This contains a timelapse video of me sketching to show that I have illustration skills. I thought this was important to convey due to the rise of the AI art generator. There is controversy over AI art because it takes the artist's work to produce images and makes it difficult to distinguish whether the human or machine is creating the work. I wanted to explore how artists can adapt to this new environment and find ways to express myself without being confused with a machine. I also created a “Resume” page that shows a copy of my resume. The website is engaging because there are multiple videos that are activated on hover and play music. For example, the project page contains fun game trailers and the project detail pages contain time lapses of my prototyping and artwork. I also used motion for my titles and descriptions in my website to make the transition to pages more elegant.


- (2) **Part 2:** Use a bulleted list to describe how a user would interact with your website. For each item in your list, state
- the interaction type you implemented
 - how we should reproduce it (e.g., click on X on page Y, or scroll on page X, etc.)
 - I created a hover feature for videos. To reproduce it, simply hover your mouse over the screen and the video should play when the mouse enters the screen.
 - Faded animation for the header of each page. To reproduce it, refresh the browser or enter the link in a new browser and the header should fade in.
 - Toggle animation for the descriptions of each page. To reproduce it, refresh the browser or enter the link in a new browser and the header should fade in.
 - Bold the “See Project” links on the Projects page. To reproduce it, simply hover your mouse over the screen and the font should turn bold when the mouse hovers over the link.

- I added a web responsive navigation bar for the “project”, “about”, and “resume” pages. To reproduce it, go to the top of the page and click on the buttons on the navigation bar in a “responsive” and “iPhone SE” screen size.
- (3) **Part 3:** Describe what external tool you used (JavaScript library, Web API, animations, or other). Following the bulleted list format below, reply to each of the prompts. (We will stop reading at the 4th sentence, so please be concise)
- I used JQUERY and CSS Bootstrap as external tools.
 - I used these because these tools were user friendly and they were easy to understand how to use.
 - I used JQUERY to create the animations and hover features, while I used CSS Bootstrap to create a web responsive navigation bar.
 - These created animations that increased engagement with the user and made it easier to navigate in different screen sizes.
- (4) **Part 4:** Describe how you iterated on your prototypes, if at all, including any changes you made to your original design while you were implementing your website. (4-8 sentences max)
- I originally planned on designing the “About” page only. However, I realized that was not enough information to convey in a portfolio website. Based on feedback from my TA and classmates, I added project pages and a resume page to make the website feel more complete. It worked out because I had already been working on the content of my portfolio outside of this class, so I had the information ready to put in my coding files. I also did portfolio reviews with professional user experience designers which helped me update the project information in a more professional manner.
- (5) **Part 5:** What challenges did you experience in implementing your website? (2-4 sentences max)
- I experienced challenges in creating consistent designs across multiple web pages. There was also a lot of information I was trying to convey, so it took a while to organize the information in a clear and visually appealing way. I also had difficulty making each page web responsive in both the iPhone SE and desktop screen.

Appendix

WAVE Check Screenshots- No Errors

Projects Page



WAVE

web accessibility evaluation tool

powered by

WebAIM

Styles: OFF ☐ ON ☒

Summary

0

Errors

0

Contrast Errors

2

Alerts

1

Features

5

Structural Elements



3

ARIA

View details

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

The following apply to the entire page:



Vivian Young

Projects

aria

aria-current="page"

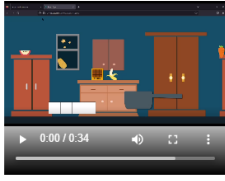
About

Resume

Hi, I'm Vivian

I'm an experience designer and artist


I love solving problems with design and storytelling. Currently, I'm exploring the world of educational game design.



DINNER WITH ZOMBIES

Dinner with Zombies is a 2D web-based game that teaches players to reduce food waste through fictionalized storytelling and humor

[See Project](#)



WAVE

web accessibility evaluation tool

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WebAIM

Styles: OFF ☐ ON ☒

Details

2 Alerts

2 X HTML5 video or audio

1 Features

1 X Language

5 Structural Elements

1 X Heading level 1

2 X Heading level 2

1 X Unordered list



1 X Navigation

3 ARIA

2 X ARIA

1 X ARIA label

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Vivian Young

Projects

aria

aria-current="page"

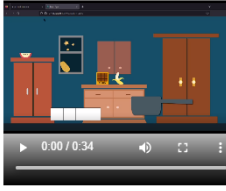
About

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I'm an experience designer and artist

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Dinner with Zombies is a 2D web-based game that teaches players to reduce food waste through fictionalized storytelling and humor

[See Project](#)

About Me Page

The screenshot displays a web accessibility evaluation tool (WAVE) interface. The tool is powered by WebAIM and shows a summary of accessibility issues. The summary indicates 0 errors, 2 alerts, 2 structural elements, 0 contrast errors, 1 feature, and 3 ARIA. A message states: "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility." The video player shows the title "My Story" and a progress bar at 0:00 / 0:46.

WAVE powered by WebAIM
web accessibility evaluation tool

Styles: OFF ON

Summary

Summary Details Reference Structure Contrast

0 Errors 0 Contrast Errors

2 Alerts 1 Features

2 Structural Elements 3 ARIA

View details

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

The following apply to the entire page:

Vivian Young Projects **aria** **aria-current="page"** About Resume

My Story

0:00 / 0:46

← → ↻ 127.0.0.1:5500/final_project/about/about.html

Gmail Webflow - Vivian's... Airtable - Social Ch... Canvas Students - CMU - C... teach-pui/in-lab-ex... viviy17/pui-hw viviy17/pui-hw A Complete Guide t... Slack Handshake Independent Study... Intro

The following apply to the entire page:

Wave powered by WebAIM

Styles: OFF ON

Details

Summary Details Reference Structure Contrast

2 Alerts

- 1 X No heading structure
- 1 X HTML5 video or audio

1 Features

- 1 X Language

2 Structural Elements

- 1 X Unordered list
- 1 X Navigation

3 ARIA

- 2 X ARIA
- 1 X ARIA label

Vivian Young Projects **aria-current="page"** About Resume

My Story

0:00 / 0:46

Hi! My name is Vivian Young. I am an Experience Designer and Artist. I was formerly a CPA accountant, but always had a passion for art and design. I wanted to progress my career in a

Resume Page

WAVE

powered by WebAIM

web accessibility evaluation tool

Styles: OFF ☐ ON ☒

Summary

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Errors

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[View details >](#)

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Vivian Young

Products [aria](#) [aria-current="page"](#) About Resume

Vivian Young

Product Designer | [LinkedIn](#)

EDUCATION

Carnegie Mellon University, Pittsburgh, PA — *Masters of Human-Computer Interaction*
AUGUST 2022 - AUGUST 2023

Rutgers University, New Brunswick, NJ — *Bachelor of Science in Accounting, Minor in Psychology*
SEPTEMBER 2019 - MAY 2014

EXPERIENCE

Freelance Designer
SEPTEMBER 2020 - SEPTEMBER 2022

- Published a children's alphabet book. Sketched and iterated each page with Adobe Photoshop CC.
- Designed event invitations, business logos and portraits in Adobe Photoshop CC for personal independent clients.

New Jersey Turnpike Authority Accounting Analyst — Woodbridge, New Jersey
AUGUST 2018 - AUGUST 2020

- Led and managed the finance team to prepare the annual financial report and the year-end close.
- Collaborated with four different departments to meet essential audit deliverables.

Johnson & Johnson, Finance Auditor — New Brunswick, New Jersey
NOVEMBER 2015 - JULY 2018

- Collaborated and presented in internal audits for operating companies in the United States, Ireland, Belgium and China.

Deloitte & Touche LLP, Audit Senior Assistant — Princeton, New Jersey
SEPTEMBER 2014 - SEPTEMBER 2016

- Performed audit of financial statements for public clients.

SKILLS

Figma
Adobe Photoshop CC
Adobe Illustrator
Blender (beginner)
Proficient in English
Conversational in Mandarin

AWARDS

Kirkman Pease Your Art Into It Content Winner - Created a design that celebrates the company's fifth year anniversary.

Sketches Featured on Instagram by Brainstorm Design School - Showcasing distinguished student work.

COURSEWORK

Interaction Design Studio
User-Centered Research and Evaluation
Programming Usable Interfaces
Persuasive Design
Game Art Pipeline

VOLUNTEER

US game evaluator for Unannounced Project at Playbunny Studios

609-240-2776
viv.mehru@gmail.com

WAVE

powered by
WebAIM

web accessibility evaluation tool

The following apply to the entire page:

-
-
-

Vivian Young

Projects **aria** aria-current="page" About Resume

Styles: OFF ON

Details

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Persuasive Design
Game Art Pipeline

VOLUNTEER

UX game evaluator for Unassigned Project at Playdaddy Studios

609-240-2776
viv.mchiu@gmail.com

"Vivian's Resume"

Dinner with Zombies Project Page

← → ↺ 127.0.0.1:5500/final_project/project-zombies/zombie.html

Gmail

Webflow - Vivian's...

Airtable - Social Ch...

Canvas

Students - CMU - C...

teach-pui/in-lab-ex...

vivify17/pui-hw

vivify17/pui-hw

A Complete Guide to...

Slack

Handshake

Independent Stu...

W WAVE

web accessibility evaluation tool

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Styles: OFF ON

Summary

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ARIA

View details

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

h1 Dinner with Zombies

[Resume](#)


h2 TLDR Overview

How might we help reduce food waste through game design?

The topic of practicing food sustainability can feel overwhelming, and there are many angles to address the problem space. **Our solution is a digital game experience that helps players reduce food waste at the consumer level.**

h2 My Role

Led the user experience design and research as well as the art and story direction for the game. This included building the user interface and assets for greater engagement and immersive gameplay. Delivered user flows, game assets created in Adobe Photoshop and Figma, insights from semi-structured and expert interviews, visual design, and the design system.



WAVE powered by WebAIM
web accessibility evaluation tool

Styles: OFF ON

Details

Summary Details Reference Structure Contrast

- 2 Alerts
 - 1 X No page regions
 - 1 X HTML5 video or audio
- 6 Features
 - 5 X Alternative text
 - 1 X Language
- 7 Structural Elements
 - 1 X Heading level 1
 - 6 X Heading level 2

The following apply to the entire page:



h1 Dinner with Zombies

[Resume](#)

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Maji Project Page

WAVE powered by WebAIM
web accessibility evaluation tool

Styles: OFF ON

Summary

Summary Details Reference Structure Contrast

0 Errors	0 Contrast Errors
8 Alerts	12 Features
7 Structural Elements	0 ARIA

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

The following apply to the entire page:



h2 Maji

[Projects](#) [My Story](#) [Resume](#)

h2 TLDR Overview

How might we use game design to help the youth feel represented and affirmed in their self worth?

In an effort to increase diversity in gaming, I partnered with programming students at Howard University to create a game that reflected who we were collectively through an innovative storyline. **Our solution was a 2D mermaid platformer that used water as a game mechanic.**

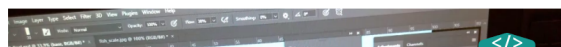


A digital painting of an African American teenage girl with short hair

h2 My Role

Led as concept artist and co-led as game designer, collaborating with programmers and another artist. Involved in every step of production pipeline, from ideation to final production in Unity. I experimented with emerging technology by collaborating with the AI MidJourney art generator to come up with ideas for character and environment design. We drew inspiration from these ideas to create designs of our own.

Check out my speed painting below of our main character Maji!



WAVE
web accessibility evaluation tool

powered by
WebAIM

Styles: OFF ON

Details

Summary Details Reference Structure Contrast

8 Alerts

- 2 X Suspicious alternative text
- 1 X A nearby image has the same alternative text
- 1 X No page regions
- 1 X Missing first level heading
- 1 X Possible heading
- 2 X HTML5 video or audio

12 Features

- 11 X Alternative text
- 1 X Language

7 Structural Elements

- 7 X Heading level 2

The following apply to the entire page:



Maji

[Projects](#) [My Story](#) [Resume](#)

TLDR Overview

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