Part 1

My website is crafted with the primary objective of functioning as a dynamic portfolio—a professional showcase that encapsulates the essence of my identity and my rich tapestry of professional experiences. It is designed to serve as a comprehensive and engaging narrative to prospective employers, enabling them to gain insight into my technical proficiency and career journey.

As a seasoned professional in the tech industry, I aim to communicate through my website that I possess a robust foundation and a nuanced understanding of technological concepts and practices. The website stands as a testament to my competence, underpinned by a solid background in tackling complex technical challenges with acumen and innovation.

In a bid to capture the attention of visitors and leave a memorable impression, the website has been imbued with subtle animations and a visually pleasing color scheme. Strategic use of imagery and interactive elements like buttons further elevate the user experience, ensuring that the site is not only informative but also engaging. Each feature is thoughtfully integrated, ensuring that it serves a purpose beyond aesthetics—enhancing the storytelling of my professional path.

The website is tailored for a discerning audience—future employers who are on the lookout for talent that not only excels in their field but also brings a unique and interactive approach to their work. By presenting my skills, achievements, and professional background in an interactive and accessible format, the site aims to connect with industry leaders and hiring managers, convincing them of the value I can bring to their teams. It is a digital handshake, an invitation to explore the potential of a fruitful professional relationship.

Part 2
- Users can scroll through all 4 different pages of my website
  - This is a simple feature that's carried naturally in website development
  - To do this, users can simply scroll up and down my index.html (Main home page, and all my other Course related pages
- Users can click on links in the Nav Bar that'll direct them to either different sections of the website's main page
  - The interaction implemented here would be simply implementing different links that leads to certain class sections of the index.html page
  - This could be reproduced by simply clicking on the "About Me", "Professional", and "Relevant Courses" text at the very top right of any page
- Users can directly email me from my website
  - The interaction implemented here would be simply implementing a link that contains the mailto feature along with my email which in html would simply allow the click of the text to bring users to a email page with the mailto email address ready in the email
  - This could be reproduced by simply click on the "Contact" text at the very top right of the any page
- Users can click on any of the card-like items at the Course of section of the main page which will bring users to a different webpage displaying info regarding relevant technical courses I've taken
  - This interaction was simply implemented by creating different card like sections in the html that carried a link which directly linked to the other html files in the same folder

- - ○ This action could be reproduced by simply clicking on any of the card-like items at the very bottom of the main page so for instance clicking on the "Application Design and Development" card
  - Users could learn more about some of the relevant courses I've taken by simply clicking on the Course title of each Courses' dedicated page
    - ○ This interaction was simply implemented by inputting a link leading to the course's online syllabus/website into the title text that's displayed to the users
    - ○ This action could be reproduced by simply clicking on one of the course titles when in the course website so for instance by clicking on the text "67-272 Application Design and Development" in the 67-272 page.
  - Users could learn more about what are some of the activities or things I've done or learned in the course by simply clicking on on accordion section which turns the accordion button blue and text white when the user hovers over it, hinting it's clickable
    - ○ This interaction was simply implemented by using the Bootstrap accordion feature which collapsing a section and making the accordion a clickable button which allows the interior content to either expand or collapse
    - ○ This interaction could be reproduced by simply clicking on any of the accordion buttons so for instance if you're in the 67-272 page, you can see this effect by clicking on the text or long button like section "User Centered Design" and you can see a better description of what User Centered design concepts was obtained from the course.
  - Users could click on the video attached to each project created for a course by clicking on the play button in the video and the user can pause or play the video like a regular youtube video
    - ○ This interaction was simply implemented by using the video element in html which allowed me to simply throw in a video on the webpage
    - ○ This interaction could be reproduced if the user simply goes to a a course webpage and clicks on the video at the bottom of each webpage

Part 3
Animation of the name at the top of each page:

Name of tool
CSS Animations and Keyframes

Why
CSS Animations were chosen to implement seamless and visually attractive animations directly within the CSS without the need for additional scripting or plugins. They provide a native, efficient way to enhance the user interface with motion, making the user experience more dynamic and engaging. Using CSS for this task ensures compatibility and performance across various devices and browsers.

How
In this implementation, CSS Animations are used to simulate a typewriter effect for text elements on the website. The typing animation expands the width of the .typewriter container from 0 to the full width of the text, revealing it character by character. Concurrently, the blink-caret animation creates a blinking cursor effect by alternating the border color of the typewriter's cursor.

What
This typewriter animation introduces a playful and distinctively interactive style to the website, transforming the text presentation into a dynamic and captivating experience. It not only seizes the viewer's attention but also boosts the visual charm of the site, imparting a unique and memorable flair. The animation infuses fun and personality into the content, making the engagement with important names or titles not just informative but also entertaining. This creative touch adds a layer of sophistication and modernity, setting the website apart in a memorable way.

Animation of the color coming into the About section:

Name of tool
CSS Animations

Why
CSS Animations were chosen for their simplicity and broad support across all modern web browsers. They allow for the creation of smooth, visually engaging effects directly within the stylesheet, eliminating the need for external libraries or additional JavaScript, which can add to page load times and complexity.

How
The CSS Animations were utilized to create a dynamic background effect for the #About section of the website. This was achieved by defining a slideIn animation in the @keyframes rule that changes the position of the pseudo-element ::before from off-screen to fully covering the background of the container.

What
The animation adds a visually striking first impression to the #About section, enhancing user engagement and providing a modern aesthetic. By animating the background, the website feels more interactive and lively, which can help in retaining visitor interest and conveying a sense of professionalism and attention to detail.

Animation with the Rotating Words Describing who I am

Name of tool
JavaScript and CSS Animations

Why
I opted for JavaScript combined with CSS animations to create dynamic and engaging visual effects easily without the need for complex external libraries. This approach allowed for greater control over animations while keeping the site's performance optimized. I wanted the animations to add a playful and interactive element to the website, showcasing my diverse roles and skills in a unique way.

How
The script was activated as soon as the DOM content was fully loaded, cycling through an array of text labels such as "Mentor," "Developer," "Product Manager," and "Student." These labels were displayed in a designated area on the webpage, with each change being highlighted by a fade-in effect. This was achieved by manipulating CSS classes and using JavaScript's setInterval method to update the text at regular intervals.

What
The animation enriches the website by dynamically displaying the various facets of my professional and personal identity. It engages visitors by continuously updating the text in an eye-catching manner, making the site feel more alive and interactive. This feature not only highlights my diverse skill set but also demonstrates my proficiency in creating appealing and functional user interfaces.

Part 4

In the initial stages of designing my website, I chose vibrant and striking colors to bring a bold aesthetic to the platform, utilizing Figma for the layout creation. Throughout the development process, I iterated on various components based on extensive feedback from peers during lab sessions. For example, I originally included a dedicated skills section on the main page; however, after considering peer advice about its redundancy and observing that it was uncommon on professional sites, I removed it. Instead, I integrated my skills into individual course pages, which better highlighted the competencies I gained.

Feedback also highlighted concerns about my method of rating skills, which inadvertently emphasized my weaker areas. This insight, combined with suggestions during presentations and check-ins, led me to adopt a more subdued and professional color scheme. I settled on a palette of white with hints of blue, using animation to add engaging yet subtle elements of color.

Inspiration also came from reviewing other students' portfolios, many of which employed a clean, white background accented with minimalistic color and creative fonts or animations. These influences helped refine my website into its current form—a professional, simple design with just enough personality to stand out.

Part 5
I encountered challenges with integrating certain libraries such as anime.js and popmotion.js, which led me to simplify my approach by utilizing basic JavaScript and Bootstrap for my project. This adjustment allowed me to maintain functionality while streamlining the development process.

Test with Screen Sizes 425px (Iphone Size) and 1200px (laptop Size)

Screenshots for Main Page:

![WAVE - web accessibility evaluation tool](powered by WebAIM)

Styles: OFF ◉ ON

Summary

| Summary | Details | Reference | Order | Structure | Contrast |

0 Errors

0 Contrast Errors

3 Alerts

8 Features

6 Structural Elements

0 ARIA

▤ View details ›

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

Vicky Chen

About Me   Professional   Relevant Courses   Cont

Porfolio

h3 Hello! I'm a *Developer*
at Carnegie Mellon University, commited to improving the community through innovation and technology!

Picture*

Confirmed Logo

Incoming Key Project and Software Engineer Intern @ Confirmed LLC

Code

The following apply to the entire page:

![WAVE - web accessibility evaluation tool](powered by WebAIM)

Styles: OFF ◉ ON

Details

| Summary | Details | Reference | Order | Structure | Contrast |

☑ ⚠ **3 Alerts**
☑ 1 X Missing first level heading
☑ 1 X Skipped heading level
☑ 1 X Possible heading

☑ ✔ **8 Features**
☑ 4 X Alternative text
☑ 3 X Linked image with alternative text
☑ 1 X Language

☑ ⬚ **6 Structural Elements**
☑ 1 X Heading level 2
☑ 1 X Heading level 3

Vicky Chen

About Me   Professional   Relevant Courses   Conta

Porfolio

h3 Hello! I'm a *Product Manager*
at Carnegie Mellon University, commited to improving the community through innovation and technology!

Picture*

Confirmed Logo

Incoming Key Project and Software Engineer Intern @ Confirmed LLC

Code

Screenshot of 67-272 Page:

WAVE
web accessibility evaluation tool

powered by
WebAIM

Styles: OFF ⬤ ON

Summary

Summary	Details	Reference	Order	Structure	Contrast

❌ 0
Errors

◉ 0
Contrast Errors

⚠ 3
Alerts

✔ 1
Features

⛁ 14
Structural Elements

▮ 21
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:
🌐 "en-us"

Vicky Chen

≡ About Me   Professional   Relevant Courses   Contac

67-272 Application Design and Development

Course Activity:

Full Stack Database Application Development aria *aria-controls="collapseOne"* +/− ︿

Developed a comprehensive application utilizing the Model-View-Controller (MVC) architecture, integrating both front-end and back-end components effectively

"aria-labelledby="headingOne""

Database Design and Implementation aria *aria-controls="collapseTwo"* +/− ﹀

Software Testing and Validation aria *aria-controls="collapseThree"* +/− ﹀

</> Code

WAVE
web accessibility evaluation tool

powered by
WebAIM

Styles: OFF ⬤ ON

Details

Summary	Details	Reference	Order	Structure	Contrast

☑ **⚠ 3 Alerts**
  ☑ 1 X Skipped heading level
  ☑ 1 X Possible heading
  ☑ 1 X HTML5 video or audio

☑ **✔ 1 Features**
  ☑ 1 X Language
  🌐 ⓘ

☑ **⛁ 14 Structural Elements**
  ☑ 1 X Heading level 1
  h1 ⓘ
  ☑ 7 X Heading level 2
  h2 h2 h2 h2 h2 h2 h2 ⓘ
  ☑ 3 X Heading level 3
  h3 h3 h3 ⓘ
  ☑ 1 X Heading level 4
  h4 ⓘ

Screenshot of 05-391:

Styles: OFF ON

Summary

| Summary | Details | Reference | Order | Structure | Contrast |

0 Errors

0 Contrast Errors

3 Alerts

1 Features

16 Structural Elements

21 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:
🌐 *en-us*

Vicky Chen   About Me   Professional   Relevant Courses   Contact

05-391 Designing Human-Centered Software

Course Activity:

Human-Centered Software Engineering aria *aria-controls="collapseOne"* +/−

Mastery of principles in crafting user-focused applications with a balance of functionality and ease-of-use

aria-labelledby="headingOne"

Cross-disciplinary Team Projects aria *aria-controls="collapseTwo"* +/−

UI/UX Prototyping aria *aria-controls="collapseThree"* +/−

Code

Details

| Summary | Details | Reference | Order | Structure | Contrast |

☑ ⚠ **3 Alerts**
- ☑ 1 X Skipped heading level
- ☑ 1 X Possible heading
- ☑ 1 X HTML5 video or audio

☑ ✓ **1 Features**
- ☑ 1 X Language
  🌐

☑ **16 Structural Elements**
- ☑ 1 X Heading level 1
- ☑ 7 X Heading level 2
- ☑ 3 X Heading level 3
- ☑ 1 X Heading level 4

Screenshot for 15-112:

Details

Summary | Details | Reference | Order | Structure | Contrast

☑ ⚠ **3 Alerts**
- ☑ 1 X Skipped heading level
- ☑ 1 X Possible heading
- ☑ 1 X HTML5 video or audio

☑ ✔ **1 Features**
- ☑ 1 X Language

☑ **14 Structural Elements**
- ☑ 1 X Heading level 1
  - h1
- ☑ 7 X Heading level 2
  - h2 h2 h2 h2 h2 h2 h2
- ☑ 3 X Heading level 3
  - h3 h3 h3
- ☑ 1 X Heading level 4
  - h4

Vicky Chen |

About Me   Professional   Relevant Courses   Contact

15-112 Fundamentals of Computer Science and Programming

Course Activity:

Python Programming Proficiency aria *aria-controls="collapseOne"* +/−

Gaining fluency in Python through practical exercises with various data types and structures such as strings, lists, tuples, sets, and dictionaries

aria-labelledby="headingOne"

Software Development Techniques aria *aria-controls="collapseTwo"* +/−

Algorithmic Thinking aria *aria-controls="collapseThree"* +/−

Object-Oriented Design aria *aria-controls="collapseFour"* +/− Code

---

Summary

Summary | Details | Reference | Order | Structure | Contrast

❌ **0** Errors

○● **0** Contrast Errors

⚠ **3** Alerts

✔ **1** Features

14 Structural Elements

21 ARIA

View details ›

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

Vicky Chen

About Me   Professional   Relevant Courses   Contact

15-112 Fundamentals of Computer Science and Programming

Course Activity:

Python Programming Proficiency aria *aria-controls="collapseOne"* +/−

Gaining fluency in Python through practical exercises with various data types and structures such as strings, lists, tuples, sets, and dictionaries

aria-labelledby="headingOne"

Software Development Techniques aria *aria-controls="collapseTwo"* +/−

Algorithmic Thinking aria *aria-controls="collapseThree"* +/−

Object-Oriented Design aria *aria-controls="collapseFour"* +/− Code