

Part 1

The website is a personal web portfolio, so the purpose of this website is to highlight my expertise, achievements, research, and many other things about myself to potential employers, clients, and collaborators.

Through comprehensive pages on my website, I present the following informations:

- My educational background: the institution, degree, and area of studies
- My research: the different areas of research with short descriptions
- My background: where I am from, my personal interests, and dream job
- My contact information
- Current resume

This is interesting and engaging because I incorporated smooth transitions between different pages, used a combination of text and images, and different interactive elements such as text showing when one hovers over images and interactive contact me form. These various features grab the users' attention by increasing their interest and engagement with the website.

The target audience is not only potential employers, clients, and collaborators, but also anyone who wants to get to know more about me and wants to get in touch with me, thus the website was created to be accessible to everyone.

Part 2

Test the screen sizes with the regular laptop screen, 1366x1024 (Horizontal view of iPad Pro), and 1280x800 (Nest Hub Max)

- Click around on the navigation bar to go to the different pages, and the content on the previous page will fade and the content of the new page will slide in from the right
- Click on the Resume page to download a pdf of my updated resume
- Hover over the different images on the about page, and the respective content associated with the image about myself will show up on top of the image on a transparent sky blue background
- Hyperlinks on the contact page are enabled. For example, if you click on my email address, and it will open the mail app and try to send an email to me, and if you click on the github link, it will open my github page on a new tab
- On the contact page, there is a form where you can input your name, subject, email address, and message and submit to get an “alert” message that says “Hello (name)! Thank you for your message!\nMichael will reach out to you via (email address)\nAbout your message: (message)” will appear. However, if the cell for any of the name, email address, and message inputs are empty, an “alert” message that says “Please Enter a (input)”

Part 3

- Swup

Why: The normal page transitions are so static and dull that I wanted to add more flare and make the transitions interesting

How: After writing a simple js code to updated the swup variable, css code was written for actual fade and sliding actions for the transitions, which was added to the div that contained the page's main content

What does it add: It adds a smooth fade and slide in from the right transition of the content when moving from page to page on the website

Part 4

After the user testing and feedback from my peers about my website, I made some interactions of the prototype, which was then again put through user testing, and finally ended up with my final prototype. I made multiple changes to my original design while implementing features on to my website: one such change was on the about page, where insteading of having a pop-up text blurb when hovering over the images, I changed it so that the text blurb shows up on top of the image when hovering over it, to reduce cluttering; another huge change I made was simplifying the reach out to me feature on the contact page so that rather than a direct message being sent to my email, an alert message pops up indicating whether or not the message has successfully been sent; another change I made was the transition animation when moving from page to page on the website.

Part 5

A challenge that I faced while implementing the contact me feature on the contact page of the website, was the rendering of the data inputs the user puts in and actually collecting it and sending it over to my email address directly from the page. Thus, after trying my best to implement this feature, I was unsuccessful, so I simplified it down, where the user would put the inputs and after submitting, an alert message pops up.

WAVE: home.html

The following apply to the entire page:

powered by [WebAIM](#)

Address: <https://mkin3327.github.io/pui-homework-1/>

Styles: OFF ON

Summary

Errors: 0 Contrast Errors: 0

Alerts: 3 Features: 3

Structural Elements: 4 ARIA: 0

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

WELCOME TO MY PORTFOLIO

Michael Kim 

HOME  ABOUT  RESEARCH  CONTACT  RESUME 

Nice to meet you, I'm Minsuk(Michael)!
I'm currently a student at Carnegie Mellon University, class of 2024

Pursuing my undergraduate studies in Bachelor of Science in Chemistry and Human Computer Interaction. As an aspiring doctor, my passion lies at the intersection of science, technology, and healthcare. Specifically, I'm deeply fascinated by the intricate world of orthopedics. With a commitment to blending my academic pursuits with real-world applications, I strive to leverage my diverse skill set to make meaningful contributions to the field of medicine.



The following apply to the entire page:

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Address: <https://mkin3327.github.io/pui-homework-1/>

Styles: OFF ON

Details

Alerts: 3

- 2 X Redundant links 
- 1 X Link to PDF document 

Features: 3

- 1 X Alternative text 
- 1 X Linked image with alternative text 
- 1 X Language 

Structural Elements: 4

- 3 X Heading level 1 
- 1 X Footer 

If an icon does not appear within the page, turn off Styles above to view it.

WELCOME TO MY PORTFOLIO

Michael Kim 

HOME  ABOUT  RESEARCH  CONTACT  RESUME 

Nice to meet you, I'm Minsuk(Michael)!
I'm currently a student at Carnegie Mellon University, class of 2024

Pursuing my undergraduate studies in Bachelor of Science in Chemistry and Human Computer Interaction. As an aspiring doctor, my passion lies at the intersection of science, technology, and healthcare. Specifically, I'm deeply fascinated by the intricate world of orthopedics. With a commitment to blending my academic pursuits with real-world applications, I strive to leverage my diverse skill set to make meaningful contributions to the field of medicine.



WAVE: about.html

The following apply to the entire page:

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Address: <https://mkm3327.github.io/pui-homework-1/>

Styles: OFF ON

Summary

Michael Kim 

HOME  ABOUT  RESEARCH  CONTACT  RESUME 









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

0 Errors 0 Contrast Errors

4 Alerts 5 Features

1 Structural Elements 0 ARIA

[View details](#)

The following apply to the entire page:

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Address: <https://mkm3327.github.io/pui-homework-1/>

Styles: OFF ON

Details

Michael Kim 

HOME  ABOUT  RESEARCH  CONTACT  RESUME 









If an icon does not appear within the page, turn off Styles above to view it.

4 Alerts

1 X No heading structure 

2 X Redundant link 

1 X Link to PDF document 

5 Features

3 X Alternative text 

1 X Linked image with alternative text 

1 X Language 

1 Structural Elements

1 Footer 

WAVE: research.html

The following apply to the entire page:

powered by WebAIM

Address: <https://mkim3327.github.io/pui-homework-1/>

Styles: OFF ON

Summary

Details Reference Order Structure Contrast

Errors 0 Contrast Errors 0

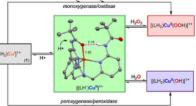
Alerts 5 Features 4

Structural Elements 1 ARIA 0

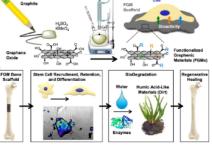
Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

View details ↴

Inorganic Chemistry Lab*
Dr. Isaac Garcia-Bosch
Jan 2022 - Present



Polymer & Material Lab
Dr. Stefanie A. Sydlik
Jan 2023 - Dec 2023



Data Interaction Group Lab
Dr. Adamn Perer
Dec 2023 - Present



*Image of PHORA AI Clinical Support

Decision Tool Website: As a pivotal member of a major project, I focus on creating a clinical decision-support (CDS) tool tailored for Pulmonary Arterial Hypertension (PAH) care. My tasks include reviewing documents, refining interview protocols, and conducting clinician interviews to understand PAH's clinical nuances. This hands-on approach provides crucial insights for aligning the CDS tool with real-world practice. Additionally, I collaborate with the team to analyze interview data, guiding the iterative design process. This multifaceted involvement not only deepens my understanding of PAH but

The following apply to the entire page:

powered by WebAIM

Address: <https://mkim3327.github.io/pui-homework-1/>

Styles: OFF ON

Details

Summary Details Reference Order Structure Contrast

5 Alerts

- 1 X Suspicious alternative text
- 1 X No heading structure
- 2 X Redundant link
- 1 X Link to PDF document

4 Features

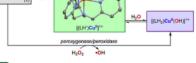
- 2 X Alternative text
- 1 X Linked image with alternative text
- 1 X Language

1 Structural Elements

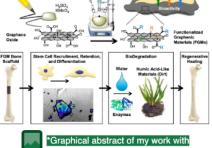
- 1 X Footer

If an icon does not appear within the page, turn off

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WAVE: contact.html

The following apply to the entire page:

[Home](#) [About](#) [Research](#) [Contact](#) [Resume](#)

Michael Kim

REACH OUT TO ME!

Email me at minsukki@andrew.cmu.edu
Check out my work at github.com/mkim3327

* Required

Name:

Subject:

Email:

Message:

Submit

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