

## **PROJECTS**

### **Website Creation**

- Designed websites to showcase portfolios and different web design aspects
- Self-taught and experimented with different types of web designs using HTML, JavaScript, and CSS
- Created a website for a tailoring business to attract new clients and promote visibility:  
<https://baybrooktailoralterations.business.site>

### **Personal Website Creation**

- Organized a personal website to explore different aspects of HTML and CSS
- Integrated interactive website with a new background image when a user refreshes the page
- Customized using images, icons, and animations  
<https://andrewcodes.dev>

### **University Club (UHVSA) Website Creation**

- Used HTML and CSS
- Designed fully integrated and functional website
- Created five interactive hyperlinks:  
<https://uofhvsa.wixsite.com/uhvsa>

### **University Website Creation**

- Used HTML and CSS
- Designed fully integrated and functional copy of the University of Houston website
- Created five interactive hyperlinks

### **Created Rest API**

- Managed items in a SQL database and pull the items utilizing Python and Flask
- Resolved technical problems related to API applications by identifying and fixing bugs
- Developed script and multiple functions for API

### **Calculator HTML**

- Usage of HTML, CSS, and JavaScript to make a calculator
- Utilized windows task scheduler to run Python to update any changes or issues
- Coded using JavaScript to display the result

### **Zoo website**

#### **Back-end**

- Utilized Python, Flask, MySQL connector, and API to design a working website
- Fetch information from a SQL database in MySQL Workbench to be able to add, delete, or update a specific animal
- Created a separate API named LOGS to manage time-sensitive updates, including content and database changes

### **SuperHero API**

#### **Front-end**

- Designed and created a fully functional page utilizing a range of technologies, including Node.js, React, HTML, JavaScript, and CSS
- Fixed bugs and implemented enhancements that improved web functionality and response speed
- Made a user-friendly website, including a search bar to search for a specific superhero

### **Trip website**

#### Full-stack

- Developed a full-stack web application that processed, analyzed, and rendered data visually.
- Planned, wrote, and debugged web applications and code with accuracy.
- Managed, optimized, and updated the website as necessary.

#### Cloudathon

##### Competitor

- Applied cloud implementation and practical skills provided by AWS services to solve industry-level problems
- Analyzed, designed, configured, and implemented AWS infrastructure architectures
- Lead a team of 5; informed members of changes or complications and delegated tasks to team members

**Source Code available upon request**