PROJECTS

Website Creation - Portfolio Showcase
- Designed captivating websites to showcase diverse portfolios and highlight various web design elements.
- Independently learned and experimented with different web design approaches using HTML, JavaScript, and CSS.
- Developed a tailored website for a tailoring business to attract new clients and enhance online visibility: https://baybrooktailoralterations.business.site

Personal Website Creation - Innovative Exploration
- Organized a personal website to explore and experiment with different aspects of HTML and CSS.
- Integrated interactive features, such as a dynamic background image upon page refresh.
- Customized the website using engaging images, icons, and animations: https://andrewcodes.dev

University Club (UHVSA) Website Creation
- Utilized HTML and CSS to design a fully integrated and functional website for the University Vietnamese Student Association.
- Implemented five interactive hyperlinks.
- Showcase my skills in HTML and CSS design to attract students to join the club and interact with the website.

University Website Creation
- Developed a fully integrated and functional replica of the University of Houston website using HTML and CSS.
- Created five interactive hyperlinks to enhance user navigation.
- Created script to link to the main University of Houston website.

Rest API Creation
- Developed a REST API, managing items in a SQL database using Python and Flask.
- Addressed technical issues by identifying and fixing bugs, ensuring smooth API functionality.
- Created scripts and multiple functions to enhance API capabilities.

Calculator HTML
- Utilized HTML, CSS, and JavaScript to create a functional calculator.
- Implemented Windows Task Scheduler to automate Python updates for seamless functionality.

Zoo Website - Back-end Development
- Employed Python, Flask, MySQL connector, and API to design a dynamic website.
- Fetched information from a MySQL database to enable additions, deletions, and updates for specific animals.
- Introduced a separate API named "LOGS" to manage time-sensitive updates and database changes.

SuperHero API - Front-end Development
- Designed and created a fully functional page using Node.js, React, HTML, JavaScript, and CSS.
- Resolved bugs and implemented enhancements for improved web functionality and response speed.
- Developed a user-friendly website, featuring a search bar for specific superhero queries.

Trip Website - Full-stack Development
- Developed a full-stack web application for processing, analyzing, and visually rendering data.
- Planned, wrote, and debugged web applications with precision.
- Managed, optimized, and updated the website as needed.

Food Website - Front-end Development
- Developed a dynamic website using HTML, CSS, and Node.js, showcasing a diverse range of culinary delights.
- Implemented three distinct sub-links, each featuring a unique type of cuisine along with its corresponding recipe.
- Ensured seamless functionality across both mobile and desktop platforms for an optimal user experience.

Cloudathon - Competitor
- Applied cloud implementation and practical AWS skills to solve industry-level problems.
- Analyzed, designed, configured, and implemented AWS infrastructure architectures.
- Led a team of 5, providing updates on changes and delegating tasks effectively.