My Mission and Vision

Welcome to my digital portfolio, a curated collection of my professional journey, projects, and the skills I've honed along the way. This portfolio is more than just a showcase of past work; it's a reflection of my dedication to continuous learning and improvement, my passion for creative problem-solving, and my commitment to excellence. Whether you're a potential employer, a collaborator, or a fellow enthusiast in the field, here you will find a transparent window into the quality and depth of my craft. From detailed case studies that explore my approach to tackling complex challenges to snippets of my day-to-day learning, this portfolio is designed to not only display what I have accomplished but also to ignite conversations about future possibilities. It is an invitation to connect, explore, and embark on new ventures that push the boundaries of what we can achieve together.

My Journey

My name is Harrison Holt, and as a senior Computer Science major with a minor in Psychology, I am deeply passionate about blending technology with human behavior to enhance user experiences in digital environments. My academic journey is complemented by personal interests in running, sports, and history, which have instilled in me the values of perseverance and an appreciation for the lessons of the past. Initially hesitant about web design and development, my perspective shifted as I immersed myself deeper into the field, growing to love the creativity and problem-solving it entails. This evolution reflects my broader approach to life and learning: I am determined, endlessly curious, and thrive when faced with challenges, always seeking innovative solutions.

Collaboration is at the heart of my ethos; I firmly believe that working together as a group amplifies our potential beyond what can be achieved individually. My journey has taught me the importance of listening to and valuing my peers' opinions, even when they differ from my own, as this diversity of thought leads to more robust solutions and personal growth.

However, my enthusiasm for tackling problems and diving into new learning opportunities sometimes leads me to take on too much, stretching my capacity thin. I recognize that my eagerness to solve challenges and contribute can sometimes overshadow the need for patience and deeper reflection. Moreover, I am learning to accept that being wrong is a valuable part of the learning process, helping me to embrace feedback more openly and use it as a tool for growth.

In every endeavor, I strive to leverage my strengths and confront my weaknesses, aiming to make a meaningful impact through technology while continuously seeking personal and professional development.

Resume.pdf 1 / 1 80%

Harrison Holt
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Current Address: 116B University Village Dr., Central, SC 29630
Website: https://www.harrisonholt.dev/

Education
Bachelor of Science in Computer Science — Dec 2024 *Clemson University*, Clemson, SC

Relevant Experience

Tiger Team Attendant
Clemson University, Memorial Stadium - Clemson, SC
Summer 2023 - Present
- Assisted the Premium Hospitality team in executing gameday operations for premium spaces at Memorial Stadium, ensuring a seamless and exceptional customer experience.

Student Assistant,
Tiger One Office, Clemson, SC
Spring 2024 – Present
Engaged with end users to troubleshoot technical issues with mobile operating systems (iOS and Android OS) related to use of and provisioning of the TigerOne Mobile ID. Utilized access control software to assist cardholders with access questions and issues.

Technical Skills
Adobe InDesign – beginner
Abode Photoshop – beginner
Adobe Illustrator – beginner
C programming – intermediate
C++ programming – intermediate
Java programming – intermediate
JavaScript programming – Advanced
React - Intermediate
Python programming – beginner
HTML/CSS programming – Advanced
Bootstrap 5- Beginner
X86-64- Beginner
PHP – Intermediate
AWS- Beginner
MySQL- Beginner

Relevant Courses
1. CPSC 3750 – Web Application Development
2. CPSC 4300- Applied Data Science
3. CPSC 4180- Usable Privacy and Security
4. PSYCH 3350- Human Factors Psychology
5. CPSC 4620- Database Management Systems

My Skills

Current Languages:
C++
C
Python
Java
JavaScript
PHP
HTML/CSS
MySQL

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Current Software:
Trello
Fimga
Postman
Git/Github
VSCode
IntelliJ
Adobe Photoshop
Adobe InDesign
Adobe Illustrator
Mirosoft Office

My Projects

Frontend

Project 1: Personal Portfolio

Project 2: To-Do List Application

Project 3: Event Countdown Timer

Project 4: Interactive Quiz App

Project 5: Weather App

Full-Stack

Project 6: Reciepe Book

Project 7: NFL/NBA Stats App

Personal Portfolio Website

Description:
A showcase of my journey into web development. This project was my first foray into using HTML and CSS. It's structured to highlight my projects, skills, and experiences, demonstrating the foundational practices of web page layout and design.

My Design Process

For my initial portfolio page, I aimed for a clean and minimalist design to show that a simple design can be effective for a webpage.

Wireframe | Design Mockup

portfolio_wireframe.pdf — Wireframe

portfolio_design_mockup.pdf — Mockup

Color Palette

The color palette I chose for this project reflects the minimalist aesthetic I aimed for. I selected neutral tones with a few accent colors to create a visually appealing yet simple design:

#70BEBC (Soft Seafoam)

#F8F4DE (Warm Ivory)

#E22728 (Vibrant Coral)

My Coding Process

Technologies
For this first project, I focused on improving my HTML/CSS skills and also learned how to use basic Bootstrap to structure the layout of my page.

Usability Testing

To ensure that my portfolio is user-friendly and accessible to a wide audience, I conducted usability tests with six participants from diverse backgrounds and age groups. The feedback from these tests helped identify areas for improvement and refine the overall design.

Participants

Engineering Major (22 years old)
Architect (25 years old)
Software Developer (36 years old)
Retired Doctor (68 years old)
Anthropology Major (18 years old)
Nurse (55 years old)
Testing Methodology
Each participant was asked to complete the following tasks:

Find and navigate to a specific project in the portfolio.
Describe the design process for one project by locating the provided details.
Provide feedback on the overall design, readability, and ease of use.

View Project on GitHub

To-Do List App

Description:
This To-Do List App is a practical demonstration of my foundational skills in web development. As one of my initial projects, it involved utilizing HTML, CSS, and vanilla JavaScript, supplemented by Bootstrap for responsive design. The app allows users to add, manage, and prioritize tasks effectively, showcasing my ability to build functional, user-friendly web interfaces.

My Design Process

I aimed for a clean and minimalist design to ensure that the functionality of the to-do list is straightforward and accessible. This approach highlights the practical application of user-centric design principles in creating effective web solutions.

Wireframe | Design Mockup

to-do-list_wireframe.pdf — Wireframe

to-do-list_design_mockup.pdf — Mockup

Color Palette

The color palette I chose for this project reflects the minimalist aesthetic I aimed for. I selected neutral tones with a few accent colors to create a visually appealing yet simple design:

#FFFFF0 (Ivory White)

#CAA478 (Soft Bronze)

#A2B59F (Muted Sage)

#789EC5 (Calm Sky Blue)

My Coding Process

Technologies
This project allowed me to deepen my understanding of HTML and CSS, and to explore basic JavaScript functionalities. I integrated Bootstrap to take advantage of its built-in responsive design features, making the to-do list accessible across different devices and screen sizes.

Usability Testing

To ensure that my portfolio is user-friendly and accessible to a wide audience, I conducted usability tests with six participants from diverse backgrounds and age groups. The feedback from these tests helped identify areas for improvement and refine the overall design.

Participants

Engineering Major (22 years old)
Architect (25 years old)
Software Developer (36 years old)
Retired Doctor (68 years old)
Anthropology Major (18 years old)
Nurse (55 years old)
Testing Methodology
Each participant was asked to complete the following tasks:

Find and navigate to a specific project in the portfolio.
Describe the design process for one project by locating the provided details.
Provide feedback on the overall design, readability, and ease of use.

View Project on GitHub | Live Demo

Event Countdown Timer

Description:
The Event Countdown Timer is an interactive web application designed to count down to any specified event. This project was developed using React.js to handle the stateful components efficiently and Bootstrap for responsive design, ensuring that the countdown timer is accessible on any device.

My Design Process

I aimed for a user-friendly interface with a minimalist design, focusing on ease of use and clarity. The design allows users to easily set and view the countdown to their events without unnecessary distractions.

Wireframe | Design Mockup

event_countdown_timer_wireframe.pdf — Wireframe

event_countdown_timer_design_mockup.pdf — Mockup

Color Palette

The color palette I chose for this project reflects the minimalist aesthetic I aimed for. I selected neutral tones with a few accent colors to create a visually appealing yet simple design:

#F5F5F5 (Ghost White)

#F4F4F9 (Lavender Grey)

#3498DB (Dodger Blue)

#E74C3C (Carmine Red)\

My Coding Process

Technologies
This project was an excellent opportunity to enhance my React.js skills, focusing on using state and props to manage the countdown timer dynamically. Bootstrap was utilized to ensure the layout is responsive and functional on various devices, from smartphones to desktops.

Usability Testing

To ensure the countdown timer was intuitive and met user needs, I conducted usability tests involving participants from different demographics. Feedback was crucial in refining the interface to make it as user-friendly as possible.

Participants

Engineering Major (22 years old)
Architect (25 years old)
Software Developer (36 years old)
Retired Doctor (68 years old)
Anthropology Major (18 years old)
Nurse (55 years old)

Participants were asked to set a countdown, pause, and reset the timer. Their ability to interact with the timer without guidance was monitored, and adjustments were made based on their experiences to enhance usability.

View Project on GitHub | Live Demo

Interactive Quiz App

Description:
The Interactive Quiz App is a dynamic web application designed to offer users a fun and engaging way to test their knowledge across various topics. Developed using React.js for efficient state management and Bootstrap for responsive design, this app ensures an interactive and accessible experience on any device.

My Design Process

The goal was to create a user-friendly interface that is both engaging and intuitive, minimizing distractions to focus users on quiz content. The layout is designed to guide users through quizzes smoothly without any unnecessary complexity.

Wireframe | Design Mockup

quiz_game_wireframe.pdf — Wireframe

quiz_game_design_mockup.pdf — Mockup

Color Palette

The color palette I chose for this project reflects the minimalist aesthetic I aimed for. I selected neutral tones with a few accent colors to create a visually appealing yet simple design:

#4a76a8 (Steel Blue)

#f8f9fa (Cultured)

#007bff (Vivid Blue)

#28a745 (Forest Green)

#dc3545 (Ruby Red)

My Coding Process

Technologies
This project provided an excellent opportunity to deepen my expertise in React.js, focusing on component-based architecture to manage the quiz logic and user interactions dynamically. Bootstrap was used to create a responsive layout that adapts to different screen sizes, from smartphones to large desktop displays.

Usability Testing

Usability tests were conducted with a diverse group of participants to ensure the quiz interface was intuitive and met user expectations. This feedback was integral in refining the user interface to enhance the overall experience.

Participants

High School Student (17 years old)
College Professor (45 years old)
Software Developer (30 years old)
Marketing Manager (38 years old)

Participants were asked to complete a set of quizzes, navigate through different categories, and provide feedback on the clarity of the questions and the interface. Adjustments were made based on their inputs to improve the usability and accessibility of the app..

View Project on GitHub | Live Demo

Weather App

Description:
The Weather App is a comprehensive web application designed to provide real-time weather information for any location worldwide. This project leverages React.js for managing stateful components and Bootstrap for ensuring the app is accessible on any device, from mobile to desktop.

My Design Process

The focus was on creating an intuitive user interface that simplifies the complexity of weather data. The design prioritizes readability and ease of use, ensuring that users can quickly obtain the weather information they need without any hassle.

Wireframe | Design Mockup

weather_map_wireframe.pdf — Wireframe

weather_map_design_mockup.pdf — Mockup

Color Palette

The color palette I chose for this project reflects the minimalist aesthetic I aimed for. I selected neutral tones with a few accent colors to create a visually appealing yet simple design:

#085174 (Deep Ocean Blue)

#FFFFFF (Pure White)

#333 (Dark Gray)

#E0F7FA (Ice Blue)

#4CAF50 (Vibrant Green)

#2196F3 (Brilliant Blue)

My Coding Process

Technologies
This project was a perfect opportunity to refine my React.js skills, particularly for managing asynchronous API calls to OpenWeather and updating the UI state based on user interactions. Bootstrap's responsive features were integral in making the app functional across various devices.

Usability Testing

Usability testing was conducted to ensure the app met user expectations for accuracy and speed. Real-time feedback helped refine the UX to better serve user needs.

Participants

Weather Enthusiast (29 years old)
Professional Meteorologist (40 years old)
Outdoor Event Planner (35 years old)
High School Teacher (47 years old)
College Student (21 years old)
Retired Senior (65 years old)
Participants provided feedback on the app's ability to quickly deliver the needed forecasts and any additional features they desired.

View Project on GitHub | Live Demo

Let's Connect!