Cart Antonio Valderama

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About Me

Aspiring Frontend Web Developer with a focus on design and creating user-friendly experiences, dedicated to building modern and intuitive web applications.

Technical Skills

HTML | CSS | Web Responsive | JavaScript | TailwindCSS | Typescript | Git | React | Vite | Angular | Redux | Web Accessibility (easy checks) | Unit Testing | Framer Motion | Shadcn UI

Notable Projects

Bachelor project | AI enhanced flashcard application: AICEE   **01/2024 - 06/2024**

Developed a proof-of-concept flashcard app for Forte Digital to explore the application of AI. Hosted on Azure with an ASP.NET Core backend API, Azure SQL Server, and a React frontend. The app leverages OpenAI's GPT-3.5 to provide feedback during study sessions and automate the creation of flashcards and quizzes.

Here are my contributions:

- Planned and designed user testing by researching methodologies from similar studies, which helped in analyzing the impact and quality of the application's AI features through statistical analysis t-tests, item analysis, and interviews.
- Implemented the frontend using React, enabling rapid development by leveraging its features and abundant online resources, while still ensuring web responsiveness and interactivity. This efficiency allowed me to assist my teammates, especially with planning the user test and writing the thesis report.
- Performed a web accessibility test (easy checks) using automated tools like WAVE, which ensured that the website adheres to accessibility standards (WCAG).
- Designed the application's user interface using Figma, following atomic design principles and Gestalt laws, creating a simplistic and intuitive web design.
- Reviewed different flashcard applications and research papers to identify valuable features, helping the team establish clear goals and prioritize which features were most worth pursuing.

Web Application - ITPE3200 | Flashcard Applications   **08/2023 - 11/2023**

Developed Develop Minimum Viable Product web applications using .NET Core

- Created an app using .NET Core with the Model-View-Controller framework.
- Develop a single-page app with Angular for the frontend and .NET Core for the backend.

Personal Project | 2D games   **05/2022 - 12/2023**

Created two games using vanilla JavaScript, with Howler.js for audio, GSAP for animation, Tiled application for map creation and PixelArt for designing character sprites.

- Pokémon-Inspired Game - A 2D game featuring monster battles.
- Dungeon Escape - A platformer game involving jumping and navigating through a dungeon to escape.

Education

- **Master of Applied and Information Technology** | Oslomet | Norway   **08/2024 – Present**
- **Bachelor of information technology** | Oslomet | Norway   **08/2021 – 06/2024**
- **Videregående - Voksneopplæring** | Stabekk Skole | Norway   **08/2019 – 06/2020**
- **Senior Highschool - STEM** | St. Paul College of Bocaue | Philippines   **06/2016 – 05/2018**

Certificates

freeCodeCamp Certifications

- Responsive Web Design   **08/2023 - 09/2023**
- Legacy JavaScript Algorithm and Data Structure   **06/2024 - 08/2024**
- Legacy JavaScript Algorithm and Data Structure (Beta)   **06/2024 - 08/2024**