Andrea Presto

512.954.4257 | andrea@interhact.net

https://github.com/AndreaRene | https://www.linkedin.com/in/andreapresto/

Certified Full Stack Developer with a solid foundation in JavaScript, React, Python, GraphQL, and NoSQL databases. Currently enhancing and sharing my knowledge as a Teaching Assistant at EdX Coding Bootcamp, University of Texas, guiding students through rigorous curriculum and projects. Committed to continuous learning and applying practical coding skills in a dynamic team environment.

Education and Certifications

Full stack web development - EdX Bootcamp through UT of Austin (completed Dec 2022)

Scientific Computing with Python Certification - freeCodeCamp.org (completed Nov 2023)

Foundational C# (In progress) **- freeCodeCamp.org, Microsoft Certified** (Expected completion Jan 2024)

Professional Experience

Teaching Assistant - EdX (Jan 2023 - current):

- Equip students with the practical coding skills and problem-solving strategies necessary for tackling complex coding challenges.
- Develop and implement curriculum enhancements, including a specialized supplementary course on Git/GitHub to improve students' version control proficiency.
- Facilitate goal-setting sessions that help students align their personal objectives with the rigorous demands of the bootcamp curriculum.
- Assist in the coordination and delivery of a comprehensive educational program, encompassing both foundational concepts and advanced topics in full stack development.
- Oversee and guide project teams, ensuring cohesive group dynamics and adherence to project timelines during intensive project weeks.

Projects and Professional Development

LinkedIn Articles: Authored a series of articles aimed at educating new developers on core programming concepts and best practices, including topics such as version control and critical thinking, etc. https://www.linkedin.com/in/andreapresto/recent-activity/articles/

Peace of Mind V_2

- Deployment: https://peace-of-mind-app-v2.herokuapp.com/
- Spent several weeks reviewing code repositories of classmates to hand-pick a team of 6 developers based on their skill sets, which allowed us to focus on individual areas of expertise.
- Led the team of developers,utilizing Agile development principles via Miro for wireframing, kanban, and general organization, resulting in on-time delivery that met all acceptance criteria.
- Developed a mental health social media support platform utilizing the MERN stack and GraphQL.
- Focused on user privacy and creating a supportive community space for discussions by implementing anonymous and randomized usernames for posts and comments.
- Heavy focus on MVC Paradigm and ORM to ensure a modern and efficient application.

Trivia on the Rocks

- Deployment: https://github.com/AndreaRene/Trivia_on_the_rocks
- Spearheaded the creation of a web application for cocktail recipes and trivia games using HTML, CSS, JavaScript, and third-party APIs.
- Managed project organization using a Kanban board and facilitated daily stand-up meetings.
- Implemented key features, ensuring the app was user-friendly and engaging.
- Assisted in refactoring of code to ensure use of semantic HTML.
- Mentored fellow developer who was struggling with CSS implementation.
- Built third-party API calls to implement core functionality of the application.

Family Inclusive Chore Management App (Personal Project, In Progress)

- Designing an inclusive chore management application adaptable to diverse family structures.
- Utilizing MongoDB, Express.js, React, Node.js (MERN), and GraphQL for development.
- Strong emphasis on Code Reusability, MVC Paradigm, OOP and ORM.
- Focusing on customizability and multi-household functionality; currently on hold due to ongoing certification courses.

Technical Skills

Languages: JavaScript, HTML 5, CSS 3, Python
Frameworks: Bootstrap, Tailwind, Skeleton, Materialize, jQuery, Express.js, React, Handlebars
Technologies: Node.js, SQL, MySQL, Sequelize, MongoDB, Mongoose, GraphQL, Git, Bash, APIs, JSON, AJAX
Platforms: GitLab, GitHub, MongoDB Atlas, Heroku
Tools: VS Code, Insomnia, Postman, Miro, Figma, Reporting/Ticketing Tools