JOSE CORTES

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Software Developer

SUMMARY

Diligent Computer Science undergraduate with hands-on experience in web design and software development. Proficient in multiple programming languages and web technologies, with a particular interest in understanding new technologies. Demonstrated problem-solving capabilities in web development projects. Focused on further honing skills and using academic learning to develop tech solutions.

EDUCATION

Computer Science Undergraduate: California State University, Fresno, Fall 2020 – Spring 2024

- o Acquired essential programming skills, including program design, coding, debugging, testing, and documentation.
- o Proficient in programming with experience using C++.
- o Developed understanding of fundamental data structures, recursion, and complex program implementation.
- o Built a strong foundation in theoretical computer science concepts like abstraction and complexity of programs.
- o Gained critical thinking and problem-solving skills through the study of algorithm design and the societal impact of technology.

TECHNICAL SKILLS

- o Proficient in languages like C++, CSS, PHP, HTML, JS, and JSON.
- o Experienced in designing, optimizing, and enhancing web pages.
- o Skilled in the comprehensive process of software development.
- o Manage and maintain databases with a focus on data integrity.
- o Implement scripts for automation and system integrations.
- o Familiar with GitHub for version control.
- o Experienced in working with APIs, including ChatGPT.

SOFT SKILLS

- o Can communicate effectively with team and supervisors.
- o Managed multiple web development projects.
- o Craft clear user guides and support materials.
- o Collaborate seamlessly with both technical and non-technical members.
- o Ensuring precision in every aspect of work.
- o Understanding and catering to the user's needs in web and software design.
- o Innovatively approaching challenges to find effective solutions.

EXPERIENCE

Web Designer, Fresno State Student Housing, May 2023 – Present

- o Designed and optimized web pages to enhance user experience, with a focus on mobile optimization and user interface enhancement.
- o Utilized CSS, PHP, and HTML to design custom components, enhance visuals, and manage dynamic content, while applying automation and scripting to streamline website features.

- o Managed multiple web development projects and exhibited strong problem-solving capabilities by consistently incorporating technical troubleshooting to resolve challenges.
- o Conducted research and planned future projects, engaging in continuous improvement to elevate user engagement.

PROJECTS

Dynamic Dining Hall Menu Integration at Fresno State Student Housing

- o Summary
  - – The project involved creating a dynamic dining hall menu for fresnostatehousing.org using PHP and the Pods framework. The menu was relocated to its own page, categorized by meal type, and enhanced with images. Special features were added for easy updates, aiming to improve user-friendliness and increase site traffic.
- o Utilized CSS, PHP, and custom shortcodes to create a dynamic dining hall menu that updates daily, integrating seamlessly with the existing site's design and functionality.
- o Implemented the Pods framework, specifically the custom settings page, to ensure the menu page is easily updatable, allowing non-technical team members to make changes.
- o Designed and implemented a dedicated dining hall menu page with clear labels and divisions, improving navigation and enhancing the user experience.
- o Improved maintainability and robustness by writing reusable functions, addressing edge cases, and handling "None" values, contributing to project scalability and reliability.

Weekly Dining Hall Menu Updater for Fresno State Student Housing

- o Summary of program
  - – This program can convert the weekly menu PDF to text, transforming it into a JSON structure, and update the dining hall menu pod information, all while ensuring safety by not interacting with the site's code. The technologies utilized include Node.js, PHP, JSON, Cron Jobs, the ChatGPT API, and GitHub actions.
- o Utilized clean, efficient code writing techniques alongside rigorous testing and debugging, enhancing the reliability of the program.
- o Implemented automated scripts to update menus and integrate with systems such as 'Dynamic Dining Hall Menu Integration', streamlining repetitive tasks.
- o Designed and executed database structures, managed data querying and manipulation, and ensured data integrity and validation, reinforcing the robustness of data management.
- o Worked with APIs, specifically the ChatGPT API, to guarantee compatibility and smooth data transfer.
- o Engaged in effective communication with a supervisor about project updates.
- o Authored clear and concise documentation, providing user guides and support materials, thereby enhancing the accessibility and maintainability of the program.

Learn more about these project and others:

through my portfolio: https://web-jose.github.io/

or my GitHub: https://github.com/Web-Jose/