Santiago Ramos

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SUMMARY

A Junior Computer Science and MIS student with experience in databases and front-end seeking a **software engineering internship**, or **co-op** for **Summer 2024.**

EDUCATION

University of Houston   **Expected Dec. 2024**
Bachelor of Science in Computer Science   GPA: 3.796
Bachelor of Business Administration in Management Information Systems

EXPERIENCE

Computer Science Tutor   August 2023 – Present
University of Houston   Houston, TX
- Tutor 50 college students a week in subjects ranging from basic programming to Data Structures.
- Simplify computer science topics, to foster a clear understanding of the material from 1 to 8 students at a time.
- Analyze students' learning gaps to enhance comprehension and mastery of subject matter.
- Manage scheduling for in-person and online appointments through Microsoft Bookings for streamlined support.

STEM Instructor   May 2023 – August 2023
ICode   Missouri City, TX
- Conducted dynamic and interactive classes, simplifying complex STEM concepts for children ages 7-18.
- Adapted to varying curricula on a weekly basis to align with the specific requirements of the organization.
- Managed class dynamics effectively for classes of 12 students to create an optimal learning atmosphere.

PROJECTS

Happy Muscles | React, Tailwind   October 2023
- Competed with a team at HackHarvard, to successfully develop a software application within a 36-hour deadline.
- Pioneered the ideation and conceptualization of a software solution, aligning it with the requirements provided.
- Employed React and Tailwind to craft the user-friendly front-end interface, ensuring an intuitive user experience.
- Integrated a questionnaire feature to collect vital data to feed into our AI model for enhanced functionality.

Point-of-Sales Database | MySQL   October 2023
- Contributed to a four-member team, conducting in-depth research to ensure database accuracy for a POS system.
- Formulated entities, relationships, and constraints following meticulous research findings.
- Assessed various relational database management systems to identify the most fitting technology for the project.
- Developed a comprehensive conceptual schema and deployed it on MySQL for efficient data management.

Personal Portfolio Website | HTML, CSS   September 2023
- Developed a personal website utilizing HTML and CSS, serving as a gateway to my professional portfolio.
- Managed the deployment and hosting of my website on the Netlify platform.
- Configured a custom domain name to enhance the website's branding and professionalism.

TECHNICAL SKILLS

Languages: Python, C++, SQL, JavaScript, HTML/CSS, Java
Technologies/Frameworks: React, Tailwind, Git, Oracle VM VirtualBox