YAHYA EL-SAWI
Computer Science Undergraduate

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Senior Computing and Information Technology student at RIT Dubai with a minor in Business Administration.
Fluent in two languages and skilled in both technical problem-solving and clear communication.
Known for innovative thinking, precision, and delivering user-focused solutions in collaborative environments.

Education

Rochester Institute of Technology in Dubai 2021 - Present
  Computing information technology degree
  Business administration - Minor degree

Skills

Programming & Tools: Python, Java, MySQL, PHP, Git, Bash, Vue.js, React Native
Development Tools: PyCharm, JGrasp, BBEdit, Figma, AWS, Cisco Packet Tracer
Other Platforms: Shopify, SendGrid, Wireshark

Experience

GIft-It
Web Development intern May 2024 - Present
- Responsible for web development, ensuring responsive and functional design across all devices.
- Developed prototypes and proof-of-concept projects to test new features and concepts before full-scale implementation.
- Led testing efforts by creating and executing test plans, identifying bugs, and ensuring smooth functionality.
- Analyzed customer feedback and usage metrics to propose and implement improvements to the Gift It platform.
- Researched and applied user experience tactics to increase customer engagement, focusing on attracting both new and returning users.
- Identified effective keywords and strategies to improve customer interaction and site retention.
- Worked directly with the founder on shaping business direction and marketing initiatives to align technology with company growth goals.
- Managed transactional HTML/CSS emails (e.g., order confirmations, e-invites), ensuring consistent branding and responsiveness.

Achievements

RIT | Dubai, UAE
RIT Student App Development, September 2023 - December 2023
- Spearheaded the development of the RIT Student App to address key limitations in the existing "Pulse" platform.
- Identified and resolved recurring issues such as sign-in errors, delayed notifications, and lack of critical features.
- Defined project scope and integrated systems including myCourses and the Student Information System (SIS) to enhance functionality.
- Focused on improving user experience through better accessibility, real-time updates, and streamlined access to academic resources.
- Demonstrated strong project management and technical skills through end-to-end development and collaboration.
- Contributed to a user-friendly solution that enhanced the academic experience for the RIT student community.

RIT | Dubai, UAE
Enhancing Data Management, April 2023 - May 2023
- Designed a relational database solution for a software development company to improve project management, data accuracy, and security.
- Created structured tables for projects, tasks, employees, and technologies with enforced relationships to maintain data integrity.
- Applied relational algebra notations to optimize data retrieval and manipulation processes.
- Ensured efficient schema design to support complex business operations and reporting needs.
- Demonstrated advanced understanding of database normalization, indexing, and entity relationships in a real-world context.

Participation

NASA Hackathon | Dubai, UAE
Participant October 2023

Participated in the development of Winder, an open-source project platform inspired by Tinder's swiping mechanism. Implemented a matching algorithm to facilitate team formation, promoting collaboration among project creators and contributors.