Ramy Kassam

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PROFILE

Computer Science student proficient in several programming languages and in data structure management, applying them academically and in personal projects. Strong technical and methodical aptitude with fundamental knowledge in analysis, operations, protection, and controls. Compromise with learning and generating a better working environment with values such as innovation, responsibility, discipline, and honesty.

EDUCATION

University of Colorado Boulder   2021 - 2024
Bachelors (Computer Science)
- Minor in Mathematics
- Relevant Courses: Algorithms, Computer Systems, Data structures, data mining, software development, algorithms, object-oriented analysis/design, fundamentals of human computer interaction, analysis of database systems

TECHNICAL SKILLS

C++ | Java | Python | HTML & CSS | JavaScript | X86 | Assembly language | Ubuntu | Jupyter Notebook, Visual Studio Code | MySQL | SQL | Cassandra | MongoDB | Docker | React | NodeJS | EJS | Spanish

EXPERIENCE

CU Night Ride Leadership – Boulder, CO   07/2022 – 05/2024
Manager
- Achieved a 100% safety by managing nighttime transportation operations, ensuring reliable and secure transportation for over 5,000 students monthly.
- Coordinated shift operations and communicated significant issues to the assistant director, resulting in seamless and efficient transportation service.
- Developed professional correspondence representing the University Memorial Center, maintaining a high standard of service and professionalism.
- Recognized as Employee of the Semester for exceptional leadership and dedication to student safety and service excellence.

Lavner Education University of Denver – Denver, CO   06/2023 – 08/2023
IT Intern
- Led the configuration of coding software and hardware for classes in Python, Scratch, and C++, streamlining camp sessions and resulting in error-free execution.
- Guided students to achieve an average of 90% in assignments by providing expert code debugging and advice, enhancing overall learning outcomes.
- Mentored and coached fellow interns, demonstrating leadership and facilitating team development.

PROJECTS

Data Analyst "Leveraging Data Analytics in FoodMart Supermarket for sales forecasting"   Spring 2023
- Project Link: https://www.overleaf.com/read/qpcxgdjxkckx#1d9666
- Conducted comprehensive data analysis on the FoodMart dataset, focusing on key metrics such as workforce size, advertisement budget, and gross profit to identify growth opportunities.
- Presented insights through data visualizations, facilitating informed decision-making for marketing and resource allocation.

Human Computer Interaction Project "ParkPal" Application Design   Spring 2022
- Conducted usability tests and developed an evaluation script, analyzing feedback from over 50 participants to enhance user experience and address key issues.
- Presented a functional prototype using Figma, showcasing the application's features and user interface to stakeholders.
- Achieved "Most Useful Project" award at the project expo, demonstrating the application's impact on campus parking efficiency.

EXTRA CURRICULAR ACTIVITIES

- CU Robotics
- Volunteer: Catholic Charities, Chicago Cares, Habitat for Humanity, Rebuilding North Florida