**Diana Knight**

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**OBJECTIVE**

Computer Science graduate seeking a challenging role that enables the application of technical prowess and collaborative spirit to deliver innovative solutions that resonate with users and drive organizational success.

**EDUCATION**

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| --- | --- |
| **The University of Texas at Permian Basin, Odessa, TX** | Anticipated Graduation – May 2024 |
| Bachelor of Computer Science | **GPA: 3.0** |
| Minor in Mathematics |  |
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| **Midland College, Midland, TX** | Graduation – May 2021 |
| Associate of Science in Computer Science | **GPA: 3.7** |

**SKILLS**

* Java, SQLite, HTML, CSS, JavaScript, C, C++, Python, Spring
* Adaptability, Time Management, Teamwork, Critical Thinking, Collaboration, Problem-solving.

**RELEVANT COURSEWORK**

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| --- | --- |
| * Introduction to Computer Science I & II | * Information Systems and Security |
| * Data Structures | * C Programming |
| * Discrete Math | * Programming Fundamentals |

**ACADEMIC PROJECTS**

* **SQLite Database Interaction Program**

Teamed up with students to conceive and construct an intuitive application facilitating seamless interaction with SQLite databases. Enacted diverse commands enabling users to effect alterations within the database, highlighting adept teamwork and adeptness in database administration.

* **Probability Analysis Tool for Monty Hall Game**

Constructed a game showcasing the augmented probability of winning through door-switching strategies, utilizing both randomization and data structures. Illustrated the strategic advantages of switching doors by employing intelligent tactics and unpredictable outcomes.

* **Airline Seat Reservation System**

Developed an Airline Seat Reservation System, facilitating seat reservations across "first class" and "economy" sections for passengers. Engineered a user-centric software solution that enhances the seat selection procedure, ultimately elevating the quality of the passenger journey.

* **Grocery Store Inventory Management System**

Programmed an inventory management system for a grocery store environment. Devised an intuitive menu-driven interface. Simplified the management of products, aiding inventory control processes and showcasing practical software development abilities.

* **Calendar Date Application**

Developed a Calendar Date application offering functions for initializing dates, precision in calculating subsequent and preceding dates, and dependable methods for ascertaining days of the week.