**Julia Knight**

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Personal website:

**OBJECTIVE**

Motivated Computer Science graduate with a strong foundation in programming languages and a passion for software development. Seeking opportunities to leverage my skills and education to contribute to innovative projects.

**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: 3.8** |

**SKILLS**

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

**RELEVANT COURSEWORK**

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| * Database Systems | * Information Systems and Security |
| * Data Structures | * Introduction to Computer Science I & II |
| * Digital Computer Organization | * Programming Fundamentals |

**ACADEMIC PROJECTS**

1. **SQLite Database Interaction Program**

Collaborated with a team to design and develop a user-friendly program for interacting with SQLite databases. Implemented various commands to allow users to make changes within the database. Demonstrated effective teamwork and database management skills.

1. **Grocery Store Inventory Management System**

Created a comprehensive inventory management program for a grocery store. Designed a menu-driven interface and integrated stock quantity monitoring. Simplified the management of products, aiding inventory control processes and showcasing practical software development abilities.

1. **Game Show Simulation**

Built a Game Show Simulation that demonstrates how changing doors can increase chances of winning by using randomness and data structures. Used smart strategies and random outcomes to show why switching is often the better choice.

1. **Airline Seat Reservation System**

Created an Airline Seat Reservation System employing data structures, enabling passengers to easily reserve seats in both "first class" and "economy" sections. Designed a user-friendly program that streamlines the seat selection process for improved passenger experience.

1. **Calendar Date application**

Created a functional Calendar Date application that includes features for date initialization, as well as accurate computation of next and previous dates, along with reliable day-of-the-week determination methods.