HAMZA AWAD

Software Engineering Intern | C++ | HTML | Team Collaboration | Software Development

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📍 Knoxville TN

SUMMARY

Passionate about software engineering, with a focus on learning both front-end and back-end development. Gained experience in collaborative environments, demonstrating adaptability and problem-solving skills. Eager to contribute to meaningful projects while continuing to grow my technical expertise. Committed to learning and applying new technologies to support team goals and create innovative solutions.knk

EDUCATION

Diploma   2017 - 2021
Bearden High School

GPA | **3.5** / 4.0

Computer science   2023 - Present
University of Tennessee, Knoxville

GPA | **3.68** / 4.0

SKILLS

Programming Languages

C++ · HTML · CSS

Development Tools

VSCode · Git (for version control)

Algorithm Design

Designing · Optimizing Algorithms · Problem-Solving · Performance Improvement

PROJECTS

N queens
- Designed a backtracking algorithm to solve the N-Queens problem, ensuring no two queens threaten each other. Optimized the brute force approach by reducing computational complexity and using pruning techniques to eliminate invalid states early in the recursion.

Personal Website Development
- Built and designed a personal portfolio website to showcase projects, skills, and achievements using HTML and CSS.

Stock Trading Program
- Created a user-friendly interface for buying, selling, and managing stock portfolios. Utilized structs in C to model stock data, ensuring efficient organization and manipulation of stock name, quantity, purchase price, and current price.

Job Search Engine
- Developed a search algorithm to efficiently filter job listings by title, skills, or both. Used arrays of structs to organize job data, optimizing retrieval and storage of job title, company name, required skills, and description.

EXPERIENCE

Retail Associate

Walmart

- Responsible for stocking shelves, unloading trucks, and organizing inventory. Ensured products were properly displayed and accessible for customers. Worked efficiently in a fast-paced environment, maintaining attention to detail and helping improve store organization and customer experience

Deliver Driver

Papa John's Pizza

- Performed food prep and delivered orders to customers in a timely manner. Ensured accuracy of orders and maintained high standards of customer service. Managed deliveries efficiently while adhering to safety and company guidelines.

Cook

Zaxbys

- Worked as a cook, preparing food items efficiently while maintaining high standards of quality and safety. Collaborated with team members to ensure timely service and a positive customer experience. Demonstrated strong attention to detail, multitasking, and adaptability in a fast-paced environment

KEY ACHIEVEMENTS

💎 **Learning**
Started learning the basics of C#, HTML, and CSS in my free time to expand my development skills.

💎 **Employee of the Month Recognition**
Received 'Employee of the Month' for being a top performer at one of my previous jobs.