Mahmood Ahmad

832- 901-8586   mahmoodahmadcs@gmail.com   Houston, TX 77095

Dynamic software developer intern with a proven track record at Eleven9 inc., where I significantly improved inventory management system performance. Skilled in C++, JavaScript, and Python, I excel in optimizing algorithms and debugging. Demonstrated leadership in team settings and ranked top in sales performance at BestBuy, showcasing exceptional problem-solving and customer service abilities.

SKILLS

- Visual Studio
- Visual Studio Code
- MATLAB
- JavaScript

- PyCharm
- SQL WorkBench
- C++
- Python

EXPERIENCE

SOFTWARE DEVELOPER INTERN   **Houston**
Eleven9 inc.   *June 2023 - July 2024*

- Optimized a Python-based inventory logging system by rewriting it in C++, significantly improving performance for real-time processing of large datasets
- Skilled in writing firmware and coding to control electronic devices, ensuring optimal performance
- Experienced in debugging software that interfaces with electronic systems, ensuring seamless communication and functionality
- Achieved a noticeable reduction in execution time, improving the overall performance of the inventory management system
- Enhanced algorithm efficiency by incorporating binary search and quicksort for faster data lookup and sorting.

SALES FLOOR TEAM ADVISOR   **Houston**
BestBuy   *October 2021 - June 2022*

- Ranked 1st out of 25 colleagues for Sales Performance
- Ability to diagnose and resolve common technical issues with products and assist customers in finding technical support resources
- Demonstrated ability to manage multiple tasks while remaining adaptable and flexible.

ASSISTANT TEAM LEADER   **Cypress**
Chick-fil-A Restaurants   *October 2020 - November 2021*

- Followed all company policies regarding food handling, cleanliness, safety, etc
- Performed other duties as assigned or required during peak business hours such as special events, store openings/closings, etc

- Assisted with training new team members as needed and performed other duties assigned by management within scope of job description.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE   *Expected graduation Apr 2026*
University of Houston, **Houston**

PROJECTS

Stock Price Predictor
This project predicts stock prices using basic algorithms in C++. It gathers past stock data, processes it, and uses a simple model like linear or polynomial regression to predict future prices. The focus is on basic prediction methods, avoiding complex models like ARIMA or LSTM, to keep it straightforward and efficient.
Inventory Logging System Optimization,
Rewrote a C++ -based inventory system in Python to significantly improve real-time processing performance for large datasets. Reduced execution time and improved overall system efficiency for large-scale inventory management. Improved algorithm efficiency by implementing binary search and quicksort for inventory data lookup and sorting.

LANGUAGES

- **Arabic**
- **English**

VOLUNTEER EXPERIENCE

DYESS PARK SOCCER REFEREE , HEAD VOLUNTEER   **Houston, TX**
Summer Spring Referee Committee   *February 2019 - September 2021*

- Demonstrated leadership qualities by taking charge on the field during games to ensure safety of all participants.

- Interacted with players and coaches to support safe and fair game environment.