

Hatem Saleh

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EDUCATION

University of Houston

Houston, TX

B.S. in Computer Science, Minor in Mathematics

Dec 2023

Honors / Awards: University of Houston Transfer Excellence Scholarship 2022 and 2023

GPA: 3.67

Relevant Coursework: Algorithms and Data Structure, Database Systems, Operating Systems, Computer Networks, Software Engineering, Medical Imaging, Digital Image Processing, Artificial Intelligence Computer Organization and Architecture, Data Science and Statistics

SKILLS

Technical: C++, Python, C#, PostgreSQL, HTML, CSS, Java Script, Algorithms, Coding, Debugging, Git, Azure

Languages: Bilingual in English and Arabic

PROJECTS

Personal Website, Personal Project

fall 2023

- Built a personal website using HTML, CSS, and Java Script
- Created a responsive code that adjusts to different screens

Library Database Website, Database Systems

spring 2023

- designed a relational database schema for the library
- Collaborated with 4 of team members to build the database using PostgreSQL, and to develop the backend and the frontend using .NET, C#, HTML, CSS, and Java Script
- Presented the functionality of the website with the team members

2048 Puzzle Solver, Data Structure

spring 2022

- Built a grid for the game 2048 where the elements in it could slide left, up, right, and down
- Implemented Depth-First search to develop an algorithm that finds the shortest solution for the game 2048

CT Scan Simulation, Medical Imaging

fall 2022

- Produced a functional CT scan simulation using Python, simulating image slicing in horizontal, vertical, and diagonal orientations, coupled with comprehensive image reconstruction on a generated "virtual phantom".
- Proactively collaborated as part of a 4-member team of undergraduates at the University of Houston, spearheading the implementation and refinement of the system.

Multiprocessing and Multithreading, Operating Systems

fall 2022

- Utilized threads and processes to perform multiple computations concurrently
- Applied Semaphores to control the order in which the threads are displayed

ACTIVITIES

Member, Muslim Students Association

spring 2023

- Participated in the soccer team
- Improved skills such as team communication, and time management

Member, UofH Brazilian Jiu jitsu

spring 2023

- Trained fighting and self-defense skills
- Improved skills such as discipline