SOHAIB RAJA

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EDUCATION

Texas A&M University Bachelor of Science in Computer Engineering May 2024
Minor: Cybersecurity
Current GPA: 3.73

Relevant College Coursework

CSCE 221- Data Structure and Algorithms	*CSCE 120-* Program Design and Concepts	*CSCE 222-* Discrete Structures of Computing
ENGR 102- Engineering Lab I Computation	*ECEN 214-* Electrical Circuit Theory	*ECEN 248-* Introduction to Digital System Design
PHYS 206- Newtonian Mechanics	*PHYS 207-* Electricity and Magnetism	*PHYS 217-* Electricity and Magnetism Lab

EXPERIENCE

Texas A&M University – *Student Assistant* January 2022 – Current
- Providing young engineers their first exposure to applying physics concepts in a laboratory environment
- Teaching students the needed physics concepts and analysis techniques to understand their observations
- Grading student's laboratory reports and ensuring their conclusions and reasoning are accurate

PERSONAL PROJECTS

Sorting Algorithm Visualizer May 2022
- Shows a visualization of common sorting algorithms such as insertion sort, merge sort, and quick sort
- Uses varying bar sizes to represent different integers and sorts the bars based on the chosen algorithm

Seam Carving Image Editor October 2021
- Utilizes the seam carving algorithm in C++ to edit an image and removed unnecessary seams in the image
- Takes in a .ppm file and outputs the edited picture after the algorithm is completed to the current directory

Tic-Tac-Toe Game November 2020
- Allows the players to choose between a 3x3 and 5x5 tic-tac-toe game and the symbol that marks their move
- Implements all the rules of the Tic-Tac-Toe game and accurately determines the winner of the game

VOLUNTEER WORK

Assalam Clinic Volunteer – *I.T. Specialist* June 2017 – August 2020
- Welcomed new patients to the clinic and obtained the necessary information to create their patient profile
- Scanned and uploaded patient documents, such as prescriptions, onto the OneTouch EMR system
- Resolved issues with the clinic's desktop computers and essential medical equipment

SKILLS

Computer Skills: Python (Intermediate), C++ (Intermediate), HTML (Intermediate), CSS (Intermediate)
JavaScript (Beginner), Verilog (Beginner), Building and Maintaining desktop computers (Intermediate), MS
Office (Intermediate), React (Beginner), Autodesk Suite (Intermediate)
Operating Systems: Proficient with Windows and MacOS; Beginner with Linux
Languages: Fluent in English and Urdu

IMPORTANT LINKS

LinkedIn: https://www.linkedin.com/in/sohaib-raja-6a6805213/
Personal Projects: https://github.com/sraja1114