

SOHAIB RAJA

sohaibraja@tamu.edu

Tomball, Texas 77375 • (832) 931-8240

EDUCATION

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

CSCE 221- Data Structure and Algorithms
ENGR 102- Engineering Lab I Computation
PHYS 206- Newtonian Mechanics

CSCE 120- Program Design and Concepts
ECEN 214- Electrical Circuit Theory
PHYS 207- Electricity and Magnetism

CSCE 222- Discrete Structures of Computing
ECEN 248- Introduction to Digital System Design
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), MS Office (Intermediate), React (Beginner), NI MultiSim (Intermediate), LTSpice (Intermediate), Autodesk Suite (Intermediate)

Operating Systems: Proficient with Windows, MacOS, and Linux

Languages: Fluent in English and Urdu

IMPORTANT LINKS

Personal Website: <https://www.sohaibraja.me/>

Personal Projects: <https://github.com/sraja1114>

LinkedIn: <https://www.linkedin.com/in/sohaib-raja-6a6805213/>