

# SOHAIB RAJA

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## EDUCATION

<b>Texas A&amp;M University</b>	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

<b>Texas A&amp;M University</b> – <i>Student Assistant</i>	January 2022 – Current
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- 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

<b>Sorting Algorithm Visualizer</b>	May 2022
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- 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

<b>Seam Carving Image Editor</b>	October 2021
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- 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

<b>Tic-Tac-Toe Game</b>	November 2020
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- 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

<b>Assalam Clinic Volunteer</b> – <i>I.T. Specialist</i>	June 2017 – August 2020
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- 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), 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>