

SOHAIB RAJA

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Tomball, Texas 77375 • (832) 931-8240

EDUCATION

Texas A&M University	Bachelor of Science in Computer Engineering Minor: Cybersecurity Current GPA: 3.69	May 2024
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Relevant College Coursework

<i>CSCE 331</i> – Foundations of Software Engineering	<i>ECEN 449</i> – Microprocessor System Design	<i>ECEN 325</i> – Electronics
<i>CSCE 313</i> – Intro to Computer Systems	<i>ECEN 350</i> – Computer Arch & Design	<i>ECEN 314</i> – Signals and Systems
<i>CSCE 221</i> – Data Structure and Algorithms	<i>CSCE 120</i> – Program Design and Concepts	<i>ECEN 214</i> – Electrical Circuit Theory

EXPERIENCE

Texas A&M University – <i>Student Assistant</i>	January 2022 – Current
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- Providing undergraduate engineers exposure to applying classroom physics concepts in a laboratory setting
- Teaching students the needed physics concepts and analysis techniques to understand their observations
- Grading student's laboratory reports and ensuring their conclusions and reasonings are accurate

Korbyn – <i>Full-Stack Software Engineering Intern</i>	October 2022 – November 2022
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- Helped create a web app in Django that obtains various trending information from TikTok's creator website
- Used HTML, CSS, and JavaScript to build the user interface and integrate data pulled from a Python API
- Attended bi-weekly meetings to discuss progress on given tasks and collaborate with other developers

PERSONAL PROJECTS

3D Platformer – <i>Unreal Engine 5</i>	August 2022
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- Implements the character movement and game mechanics using C++ for a cohesive gameplay experience
- Includes a dynamic respawn system and mobile obstacles to increase the difficulty of each level

Sorting Algorithm Visualizer – <i>React.js</i>	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

Seam Carving Image Editor	October 2021
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- Utilizes the seam carving algorithm in C++ to resize 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

SKILLS

Programming: C++ (Intermediate), Python (Intermediate), HTML (Intermediate), CSS (Intermediate), JavaScript (Beginner), Verilog (Beginner)

Software: Microsoft Office (Intermediate), NI MultiSim (Intermediate), LTSpice (Intermediate), Autodesk Suite (Intermediate), Unreal Engine 5 (Intermediate), Django Web Framework (Intermediate), React.js (Beginner)

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/>