

# SOHAIB RAJA

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## EDUCATION

**Texas A&M University** Bachelor of Science in Computer Engineering May 2024  
Minor: Mathematics  
Current GPA: 3.70

### Relevant College Coursework

CSCE 470 – Info Storage & Retrieval

ECEN 350 – Computer Arch & Design

CSCE 313 – Intro to Computer Systems

ECEN 454 – Digital Integrated Circuit Design

CSCE 331 – Foundations of Software Engineering

CSCE 310 – Database Systems

ECEN 449 – Microprocessor System Design

CSCE 314 – Programming Languages

CSCE 221 – Data Structure and Algorithms

## EXPERIENCE

**Texas A&M University – Student Assistant** January 2022 – Current

- 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

**Paycom – Software Development Intern** May 2023 – August 2023

- Built a full-stack web application to visualize and manage Paycom's prospective clients for the Sales Team
- Utilized React, PHP, Typescript, and MySQL to implement various functionality based on user stories
- Planned and tracked development progress throughout the project lifecycle using Jira

**Korbyn – Full-Stack Software Engineering Intern** October 2022 – November 2022

- Developed a web application in Django that provides TikTok creators analytic tools to grow their accounts
- 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

**Pom & Honey Point of Sales System – Vue.js** April 2023

- Allows managers, servers, and customers to use one cohesive web application for their varying needs
- Incorporates role-based permissions to prevent unauthorized access to confidential information

**Sorting Algorithm Visualizer – React.js** 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 array based on the chosen algorithm

## SKILLS

**Programming:** C++, C, C#, Python, PHP, Verilog, HTML, CSS, JavaScript, TypeScript, React.js, Vue.js, Django Web Framework, Node.js, Express.js, MySQL, PostgreSQL, and SQL

**Software:** Vivado Design Suite, NI MultiSim, LTSpice, Autodesk Suite, Microsoft Office, and Unreal Engine 5

**Operating Systems:** Proficient with Windows, MacOS, and Linux

**Languages:** Fluent in English and Urdu

## IMPORTANT LINKS

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

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

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