Mateen Hakeem

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📍 Houston, TX   🖧 GitHub

Education

2024/02 – present Houston, TX	**Bachelor of Science in Computer Science and a Minor in Math** *University Of Houston Downtown* Committed to academic excellence, I bring a strong foundation in computer science principles. My coursework has equipped me with a solid understanding of programming languages, algorithms, and software development methodologies.

Skills

Detailed Orientated ● ● ● ○ ○
- Maintained precision in coding and documentation while developing interactive websites like *RoboFriends* using JavaScript, enhancing user engagement

Java ● ● ● ○ ○
- Exception Handling & Debugging
- File I/O (Reading/Writing Files)

Engineering principles ● ● ● ○ ○
- **Problem-Solving & Critical Thinking** – Applying structured approaches to troubleshoot issues
- **Testing & Debugging** – Ensuring system reliability and performance.

Analytical Thinking ● ● ● ○ ○
Debugging & Root Cause Analysis – Systematically identifying and fixing errors in software/hardware.

Programming Proficiency ● ● ○ ○ ○
- Proficient in languages such as Java, Python, and C++, with hands-on experience in applying coding principles to solve real-world problems.

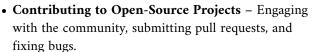**C++** ● ● ● ○ ○
- Object-Oriented Programming (OOP)
- Data Structures & Algorithms

Python ● ● ● ○ ○
- **OpenCV / PIL** – Image processing
- Error Handling & Debugging
- Scripting & Automation
- Keemthedraem/pokedex ⌤

Collaborative Teamwork ● ● ● ● ●
- **Contributing to Open-Source Projects** – Engaging with the community, submitting pull requests, and fixing bugs.
- **Version Control & Git/GitHub** – Managing repositories, branching, merging, and pull requests.

Software Development Skills ● ● ● ● ○
- **Python, Java, C++, JavaScript** – Proficient in writing clean, efficient, and maintainable code.
- **HTML, CSS, React.js** – Front-end web development for interactive and responsive user interfaces.
- **Version Control & Collaboration** – Using **Git, GitHub, GitLab** for managing source code.

Projects

2024 – 2024	**First website** ⌤ • Designed, developed, and published my first website using HTML and CSS, focusing on clean, structured code and responsive design. • Implemented modern web design principles, including semantic HTML and CSS flexbox/grid for layout optimization. • Ensured cross-browser compatibility to provide a consistent experience across different devices and screen sizes. • Optimized website performance, improving load times and accessibility.

- Deployed the website online, gaining hands-on experience with domain hosting and version control.

2023 – 2023 · **NASA HUNCH**
- Designed an innovative dice game tailored for astronauts, aimed at enhancing mental well-being and relaxation in space.
- Engineered a specialized gaming table optimized for microgravity environments, ensuring stability and usability in zero-gravity conditions.
- Incorporated ergonomic design principles to create an intuitive and engaging gameplay experience suitable for confined space habitats.
- Researched astronaut psychology and behavioral needs to develop a game that promotes cognitive stimulation and social interaction.

2024/07 – 2024/08 · **Robo Friends** ⬈
- Developed an interactive JavaScript web app that allows users to search and filter robots based on specific criteria, enhancing usability and functionality.
- Implemented a responsive design to ensure an optimized user experience across desktops, tablets, and mobile devices.
- Utilized modern front-end technologies, including React.js and API integration, to improve performance and interactivity.
- Incorporated dynamic search functionality and real-time filtering, improving data accessibility and user engagement.

Organizations

2024/07 – present · **UHD Honors Program**
Member
- Managed a team of 15 volunteers, setting collection goals and overseeing donation distribution to maximize community impact.
- Provided one-on-one tutoring in mathematics and science, tailoring lessons to individual learning needs.
- Participated in monthly HackUHD events, collaborating on coding challenges and innovative tech projects.

2023/12 – present · **Scholars Academy**
Member
- Led workshops on Peer-Led Team Learning (PLTL), fostering collaborative problem-solving and active learning.
- Facilitated small-group discussions tailored to diverse learning styles, enhancing student engagement and comprehension.
- Served as a tutor and peer mentor, providing academic support and guidance to help students succeed.

2023 – 2024 · **Texas Student Association (TSA)**
Houston, Texas
Member
- Led a team in designing and constructing a robotic vehicle for competition, overseeing both hardware and software development.
- Competed in an international TSA event, demonstrating technical skills, teamwork, and problem-solving in a high-stakes environment.

Certificates

Computer Foundations ⬈
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