Shaheer Khan

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EDUCATION

Michigan State University — Aug. 2021 – May 2025
Bachelor of Science, Computer Science — *East Lansing, MI*
Honors College, GPA: 3.98

EXPERIENCE

CSE 231 Teaching Assistant — Jan. 2023 – Present
Michigan State University — *East Lansing, MI*
- Instructed fundamental object-oriented programming concepts in **Python** to a 40-student class weekly, articulating technical challenges and solutions, leading to a 15% improvement in class average grades.
- Facilitated student learning through hands-on assistance, expanding student's ability to design and implement algorithms in **Python**.
- Developed student success initiatives in weekly strategy meetings, demonstrating leadership and effective communication.

Undergraduate Research Assistant — Sep. 2021 – Present
Michigan State University — *East Lansing, MI*
- Tracked research on cognition, utilizing Qualtrics for statistical analysis and data mining, contributing to understanding key trends.
- Organized and led studies with 10+ participants, gaining experience in complex data collection and analysis.
- Conducted experiments using EEG sensors, reflecting an aptitude for technology and innovation.

Software Engineering Intern — May 2023 – Aug. 2023
Tyler Technologies — *Troy, MI*
- Collaborated with a 20+ Agile software engineering team, contributing to innovative solutions aligned with distributed computing environments.
- Modernized an existing internal system using **Angular.js** and **TypeScript**, redesigning the UI to enhance user experience.
- Utilized Microsoft Reporting **API** in conjunction with **C#** to manipulate a **MySQL** database, enabling support for multiple input parameters.

EXTRACURRICULARS/PROJECTS

Co-Founder & Vice President — Jan. 2023 - Present
Imagine Software Club at Michigan State University — *East Lansing, MI*
- Facilitated an internship-like experience for 40+ students, implementing Agile methodologies and collaboration on software designs using **Flutter, TypeScript, React.js**.
- Managed 3+ project teams in web and mobile development, ensuring 100% client satisfaction, demonstrating leadership and ability to lead critical projects.
- Conducted meetings with faculty and staff, ensuring quality in the design and execution of student projects.

Front-End Developer — May 2023 - Jun. 2023
sagetech.info — *Commerce, MI*
- Collaborated in a dynamic, agile team of three to spearhead the web development for the startup, Sagetech, leveraging proficiency in **React.js, HTML, CSS**.
- Conceptualized and executed an 'About Us' page, incorporating contemporary UI design, showcasing creativity and alignment with industry trends.
- Engaged in weekly client consultations, refining design aesthetics and functionalities, ensuring customer vision and objectives.

TECHNICAL SKILLS

Applications: Atlassian Confluence, Git, and Jira
Languages: Python, HTML, CSS, JavaScript, TypeScript, C++, and C#
Frameworks: Angular.js & React.js
Databases: MySQL