

Shaheer Khan

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EDUCATION

Michigan State University

Bachelor of Science in Computer Science

Honors College, GPA: 3.975

Aug. 2021 – May 2025

East Lansing, MI

EXPERIENCE

Software Engineering Intern

Tyler Technologies

May 2023 – Present

Troy, MI

- Collaborated with an Agile software engineering team, contributing to innovative solutions that align with distributed computing environments.
- Modernized an existing internal system using Angular.js and TypeScript, redesigning the UI to enhance user experience.
- Utilized APIs with C# and manipulated the MySQL database for scalable, fault-tolerant data management, improving overall data versatility.

CSE 231 Teaching Assistant

Michigan State University

Jan. 2023 – Present

East Lansing, MI

- Taught Python programming concepts to a 40-student class weekly, effectively articulating technical challenges and solutions, leading to a 25% improvement in class average grades.
- Facilitated student learning through hands-on assistance, contributing to a 10% increase in course completion rates, reflecting an ability to think abstractly and handle undefined problems.
- Participated in strategy meetings to implement student success initiatives, demonstrating leadership and a focus on continuous improvement.

Undergraduate Research Assistant

Michigan State University

Sep. 2021 – Present

East Lansing, MI

- Supported 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.

EXTRACURRICULARS/PROJECTS

Co-Founder

Imagine Software Club at Michigan State University

Jan. 2023 - Present

East Lansing, MI

- Facilitated an internship-like experience for 30+ students, implementing Agile methodologies and collaboration on software designs using Python, TypeScript, and React.js.
- Managed 3+ project teams, tracking progress and ensuring 100% client satisfaction, demonstrating leadership and ability to lead critical projects.
- Conducted meetings with faculty and staff, actively participating in the design and execution of student projects.

Front-End Developer

sageteach.info

May 2023 - Jun. 2023

East Lansing, MI

- Collaborated in a dynamic, agile team of three to spearhead the development of a modern, interactive website for the startup, Sageteach, leveraging proficiency in React.js, HTML, and 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 alignment with customer vision and objectives.

TECHNICAL SKILLS

Applications: Atlassian Confluence, Git, and Jira

Languages: Python, HTML, CSS, JavaScript, TypeScript, C++, and C#

Frameworks & Libraries: Angular.js, React.js, NumPy, and Pandas

Databases: MySQL