

Mohammed Umair Kaleem Khan

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Technologically advanced and results-driven individual with experience in software development, object-oriented design, data structures, and algorithms, along with a passion for building platforms and applications for improved company operations.

- ✓ Values innovation, great engineering, and customer experiences. Skilled at developing strategies, designing, and coding solutions, and collaborating with software engineers. Engages in design/development engineering.
- ✓ Quality-focused individual with a strong customer-centric approach in software development. Crafts multi-functional requirements, ensures product success, and translates them into practical engineering tasks.
- ✓ Transforms ideas into cutting-edge technology products, providing technical leadership from concept to evaluation. Demonstrates excellence in systems engineering by leading cross-functional teams.
- ✓ Participates in technology projects, aligning business goals with technical solutions for competitive advantage, process improvements, and results. Skilled in testing/verification engineering and documentation.
- ✓ Performs well in high-pressure situations with professionalism. Effective communicator, translating complex concepts for non-technical audiences.

CORE QUALIFICATIONS

- Software Engineering
- Full Stack Development
- Requirements Gathering
- Project Management
- Testing & Debugging
- Effective Communication
- Validation & Maintenance
- Coding / Programming
- Cross-functional Collaboration
- Websites & Applications
- Analytical Problem Solving

TECHNICAL PROFICIENCIES

Programming Languages	Java, CSS3, C++, HTML5, JavaScript, Sass, React.js, Python, SQL
Web Development	Responsive Design, Bootstrap, Figma, Flexbox, DOM, API
Other	Microsoft Office, Word, PowerPoint, Excel, MySQL, HTTP, AJAX, JSON

EDUCATION

Bachelor of Computer Science, Dec 2023 – Southern Arkansas University

GPA of 4.0 | Three times in President's List | Coursework: Data Structures & Algorithms, High Level Language, Assembler & Machine Organization, Computer Architecture, Operating Systems, Data Modeling & Application, Theory of Computation, Software Engineering, Capstone Project, Cyber Forensics, Artificial Intelligence, Computer Networks, Network Security.

PROFESSIONAL EXPERIENCE

Molex LLC

May 2022 – Present

SOFTWARE ENGINEERING INTERN

Developed and maintained manufacturing software to boost productivity. Expanded software ecosystem for efficient data management. Troubleshoot applications, implemented improvements, and collaborated cross-functionally.

- Worked extensively with Arduinos, microcontrollers, and test boards to retrieve and upload data, and verify it through tests in various products.
- Design and create tutorials and documentation to effectively showcase the capabilities of the existing tools developed by our team.
- Collaborate with stakeholders to gather feedback and implement improvements based on user requirements.
- Participate in code reviews and provide constructive feedback to ensure code quality and maintainability.
- Adhere to software development standards and best practices to ensure consistency and quality in code development.

Esprit IT Technologies

June 2022 – July 2022

SOFTWARE ENGINEERING INTERN

Spearhead development, validation, and maintenance of the application software for manufacturing end of line diagnostic tools and processes while pooling resources with professionals in-vehicle software. Facilitate 12 of colleagues to download and develop software in their laptops. Leverage tools and configurations like Monaco DTS8, XFlash software, CANape, and UDE for Domains.

- Executed regression testing using McLaren's examining results, and submitting observations to the development team.
- Improved 10 McLaren Artura cars software using vehicle diagnostic tools (e.g., VIN|ING, Corvus, etc.).
- Brainstormed innovative new ideas for the development of McLaren Artura cars.

Southern Arkansas University

Oct 2022 – May 2023

TEACHER ASSISTANT

Assisted primary teacher in ensuring understanding and quality learning in the classroom. Conducted meetings, assignments, and tests for the students.

- Taught 25 students in the absence of the primary teacher topics related to classes, functions, data types, and arrays.
- Led both private and group study sessions, requiring effective communication.
- Aided students with downloading and updating software like VS Code, C++, and MASM.

Here for the Hereafter

Dec 2020 – Present

ASSOCIATE DEVELOPER (VOLUNTEER)

Drove collaboration across teams using state-of-the-art tools such as Asana, Slack, G-Suite (G-drive, G-meets, etc.), and Clockify. Organized weekly sprint meetings while adhering to the Agile methodology to address any issues.

- Led the redesign of the NPO website, including improvements to the UI experience, an enhanced navbar, responsive web design, and a donation widget.
- Managed to raise \$60K for this non-profit organization to build a school.
- Joined forces with finance team, research, and marketing team to work in Agile methodology.

Southern Arkansas University

Oct 2021 – May 2022

RESEARCH ASSISTANT

Designed and built robust, readable, and reusable code components to deploy state-of-the-art deep learning and federated learning systems. Operated a neural network that deals with deep learning and concentrated in casualty in machine learning.

- Collaborated with a team of three to research about the neural networks and deep learning.
- Produced a paper by the end of the research work as well as facilitated co-workers in generating a paper related to detection of breast cancer using machine learning.
- Optimized work instructions and devised easy-to-use checklists for maximum productivity.
- Identified the deep learning of the casual inference by building, developing, and designing a code using CSV file.

PROJECTS**E-Commerce Website (Black Store)**

- Created a responsive and user-friendly E-commerce site, where we can list your products, add items to the cart, and upload new items. This website is built up by using JavaScript, HTML5, and CSS3. Designed a website visually appealing and easy to navigate, with a modern look and feel that uses the latest technologies.

RoboFriends

- An application using React.js framework and outside APIs to create a stateful web application is displayed here. Utilizes JSONPlaceholder APIs for information about users and RoboHash APIs for user images. Tachyons is used for styling the page. Built this web application using React.js which is simple yet responsive.

Tic-Tac-Toe (Game)

- Developed a game using HTML, CSS, and JavaScript. Players mark squares to form rows of three before their opponent. Mobile-friendly with dark mode option.

ACHIEVEMENTS & MEMBERSHIPS

Phi Theta Kappa (PTK) Membership

President's List – Fall 2020, Spring 2021, Fall 2021, Spring 2022

Huawei Technologies USA Inc. Annual Scholarship.

Collin College Foundation Scholarship.

Achievements Scholarship – Fall 2021