**Shahd Mustafa**

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# OBJECTIVE

Seeking an internship/job in software engineering where I can apply my strong technical skills, passion for innovation, and coursework knowledge in data structures, algorithms, and software development.

# EDUCATION

**University of Michigan -- Dearborn |** B.S. Software Engineering Expected Graduation: May 2024

* Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Discrete Structures and Computer Networks and Distributed Processing.
* Organization: Google Developers Club, Developers of Dearborn, Society of Women Engineers, Devfest Organizer

# SKILLS

**Software Tools:** Katolon, Git/GitHub, Next.js, React, Flutter, Firebase, Unity, Atom, Enterprise Architect, Jenkins, Wireshark, Android studio, oracle SQL developer, SQL lite, Azure, Microsoft Office

**Languages:** C++/C, C#, Java, Python, HTML**/**CSS, JavaScript/TypeScript, Dart, Kotlin, SQL

# WORK EXPERIENCE

**Flutter Development,** Book Club, Freelance Sept.2023– Present

* Developing a dynamic Flutter app, a social media platform for friends and family to review books and connect with fellow readers. Utilizing Firebase authentication and database.
* Users can post reviews to a community feed, like and comment on posts, view user profiles, message other users, and track and set reading goals.

**Research Assistant,** Recommending Web Services Based on Quality of Information via Comparison Testing

University of Michigan, with Professor Song Sept. 2022 – Dec. 2022

* Created a new dataset that obtains the sentence embedding matrix using data from 5 major cities.
* Contributed to developing a program utilizing a dataset of 2000+ movie reviews to analyze whether each API correctly identified the text. Developed predictive software and analyzed the accuracy of the API in determining the text using majority voting.

**PROJECTS**

**Michigan DevFest -** [Michigan DevFest 2023 (midevfest.com)](https://midevfest.com/)November 2023

* Contributed to the development of the Michigan DevFest website as a key member of an 8-person cross-functional team, utilizing React and Tailwind CSS to deliver a dynamic and visually appealing platform.
* Played a key role in strategic decisions, aligning development with project goals. Successfully delivered the landing page on time, exceeding project expectations.

**Edu-Venture -** [hackathon site-register (shahdmu34.github.io)](https://shahdmu34.github.io/Hackathon/)October 2023

* Developed a web application using HTML/CSS, JavaScript, Firebase, and Python a game that transforms the career exploration process into an engaging and immersive storyline adventure. Our project won second place at the Hackathon Dearborn out of 50 project submissions.
* Edu-Venture utilizes an AI algorithm to pinpoint the career path that best suits the student, providing an immersive experience that keeps students actively involved in their future.

**Personal Website****-** [My Portfolio (shahdmu34.github.io)](https://shahdmu34.github.io/portfoilio-site-shahdmustafa/) April 2023

* Designed and developed personal websites using HTML/CSS and JavaScript showcasing projects, resume, contact information, etc.

**ACADEMIC PROJECTS**

**Split Smart -** [SplitSmart (shahdmu34.github.io)](https://shahdmu34.github.io/Team-6--termProject/)  July 2023

* Led a team of 5 developers in creating a collaborative bill-splitting web application using HTML, CSS, JavaScript, and SQL.
* Employed agile methodology to oversee end-to-end software development, including payment processing, group management, user profiles, and secure login features.

**Read and Review Mobile App** May 2023

* Developed and collaborated on an Android mobile app that allows users to search and review thousands of books by integrating the Google Book API using Kotlin and Android Studio.

**Restaurant Database** April 2023

* Led a team of 3 to develop a comprehensive SQL database for a restaurant.
* A comprehensive set of tables was designed to capture all aspects of the restaurant, including staff, supplies, inventory, and more, including necessary attributes and key relationships.

# CERTIFICATIONS

**Electronic Arts Software Engineering Virtual Experience Program on Forage** July 2023

* Developed and presented a compelling new game feature proposal. Enhanced the inventory system through the implementation of C++ programming techniques.