**Shahd Mustafa**

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# OBJECTIVE

Hardworking and enthusiastic college student working towards a B.S. in Software Engineering. Seeking to use my superior knowledge of fine arts, algorithmic thinking, and advanced communication skills to serve your company in a full-time position. Dedicated to expanding creativity in the workplace and committed to becoming a dependable and valuable team member.

# 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 and Technologies:** C++/C, C#, Java, Python, HTML**/**CSS, JavaScript/TypeScript, Dart, Kotlin, oracle SQL developer, Katolon, Git/GitHub, React, Flutter, Firebase, Unity, Atom, Enterprise Architect, Jenkins, Android studio, Azure, MongoDb, Postman, Microsoft Office.

**Hobbies:** Drawing/painting, reading.

# 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 that hundreds with over 200 participants and speakers used to navigate the event.
* Played a key role in strategic decisions, aligning development with project goals. Implement the landing page and speaker information.

**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**

**Cutz mobile and web app** October 2023 - Present

* Tested and debugged Cutz React frontend and backend code from the previous team using Postman, and Visual Studio debugger. Implemented notifications feature using Firebase Cloud Messaging to send updates from organization admins to users. Improved UX/UI design of the Cutz app and site to meet client expectations.

**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.