**Shahd Mustafa**

Dearborn Heights, Mi • shahdmu@umich.edu • 313-401-9201 • [LinkedIn](https://www.linkedin.com/in/shahd-mustafa-194894252/)• [GitHub](https://github.com/shahdmu34)

# OBJECTIVE

# Passionate software engineering student with over two years of experience in programming and project development. Excited about the opportunity to contribute to a startup and apply my technical and creative skills to drive impactful results.

# EDUCATION

**University of Michigan -- Dearborn |** B.S. Software Engineering September 2021 - April 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
* Dean’s List: Winter 2022 & 2023

# WORK EXPERIENCE

**Flutter Development,** Book Club, Freelance Sept.2023– Feb. 2024

* Developing a dynamic **Flutter** app, a social media platform that allows users to review books and connect with fellow readers. 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 developing the Michigan DevFest website as a key member of an 8-person cross-functional team, utilizing **React** and **Tailwind CSS** to deliver a website that over 270+ participants and speakers used to navigate the event.
* Played a key role in strategic decisions, aligning development with project goals. Successfully delivered the landing page on time, exceeding project expectations.

**Hackathon: 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.
* Implements and tested project frontend and answer sorting algorithm that produced the career.

**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 App and Site -** [**Cutz dashboard**](https://cutz-5d27a035f5c8.herokuapp.com/) Sept. 2023 – April 2024

* Project Manager and developer of web and mobile applications that help with organizing and registering food distribution events to be used by 100+ clients and volunteers.
* Met with client weekly to provide updates and feedback. Implemented Agile development methodologies, leading daily stand-up meetings to ensure efficient project management and timely delivery of features.
* Debugged and implemented new features to both the frontend and backend such as notifications, event details, use profile, and UI to the existing **React** and **MongoDB** software. Improved code quality by 70%.

**My Pass** – <https://shahdmu34.github.io/TermProject-476/>November 2023

* Developed a web application utilizing **HTML/CSS, JavaScript**, and **Firebase**. The application ensures a secure and user-friendly experience, allowing users to store sensitive information, including site authorization credentials, credit card details, license numbers, passport numbers, and secure notes. This project involved the implementation of design patterns such as proxy, Singleton, Observer, and Builder to enhance the overall structure and functionality of the application.

**Restaurant Database** April 2023

# Led a team of 3 to develop a comprehensive SQL database for a restaurant, designing a set of tables to capture all aspects of the restaurant, including staff, supplies, inventory, and more, with 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.

**AWARDS**

**Second Place Hackathon Winner** October 2023

* Award presented by the University of Michigan Hackathon with the best project among 50 other teams. My team and I won this award for our project, Edu-Venture, a game that transforms the career exploration process into an engaging and immersive storyline adventure.

# SKILLS

**Tools and technologies:** C++/C, C#, Java, Python, HTML**/**CSS, JavaScript/TypeScript, Dart, Kotlin, Git/GitHub, React/React-Native, Flutter, Firebase, Unity, Atom, Enterprise Architect, Jenkins, Android studio, oracle SQL developer, Azure, Mongo DB, Microsoft Office

**Languages:** English – fluent, Arabic – fluent