Tariq Achor Zyad

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Education

University of Houston   **August 2020 – May 2024**

Bachelor of Science in Computer Science   *3.37 GPA*

Relevant Coursework

- Data Structures & Algorithms COSC 3320
- Fundamentals of Operating Systems COSC 3360
- Programming and Data structures COSC 2346

Experience

The University of Houston, Computer Science Department   **August 2022**

Academic Support Assistant   *Houston, TX*

- Aiding the course instructor in grading, proctoring, and preparing course materials for COSC 1336.
- Guiding students through the fundamental principles of computational thinking, and computer science.
- Hosting office hours for both one-on-one and group study over basic programs and algorithms in Python.

Projects

Dunya Flight Searcher | *Next.js, TailwindCSS, TypeScript*   **October 2022**

- Conceptualized a sleek and approachable front-end for a metasearch web application.
- Designed a streamlined interface that reflected a personalized user experience for ecommerce.
- Led the front-end development of Dunya's initial website within 24 hours at CodeRED Hackathon 2022.

StudyUP | *TypeScript, Discord.js*   **September 2022**

- Discord.js bot developed in Typescript to promote and organize group study in student-run Discord servers.
- Implemented a MongoDB database of active users and events using the node.js Mongoose library.
- Employed Cron scheduling to arrange recurring sessions throughout a semester.

Personal Portfolio Website | *HTML, TailwindCSS*   **August 2022**

- Created using basic HTML and TailwindCSS with key UI/UX principles in mind.
- Wireframed design with an easily accessible, intuitive, and user-friendly layout.
- Tailored with a responsive layout that's suitable for the best mobile and desktop experiences.

Recharge | *React Native, Actix-Web*   **August 2022**

- Student-led project that allows the UH community to find group events and activities across campus.
- Created using React Native for front-end development and Actix-Web for back-end development.

Discord Music Bot | *JavaScript, Discord.js*   **January 2022**

- A Discord bot written in JavaScript/Node.js using the Discord API via Discord.js and the YouTube API v3.
- Enqueues song requests received either as a YouTube link or search query from the user.
- Search YouTube for the first available video to add to the queue, bypassing age restricted search results.
- Includes a fully functioning queue, as well as looping, skipping, and pausing commands.

Technical Skills

Languages: TypeScript, JavaScript, Python, HTML/CSS, C++, Java
Technologies/Frameworks: Next.js, TailwindCSS, Node.js, React.js, MongoDB
Libraries & API: Discord.js, Mongoose, YouTube API v3, Duffel API
Developer Tools: VS Code, Git, IntelliJ, R Studio

Honors and Awards

College of Natural Science and Mathematics Dean's List   **Fall 2020**
College of Natural Science and Mathematics Distinguished Scholars List   **Spring 2021**