

TARIQ ACHOR ZYAD

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Education

University of Houston

Bachelor of Science in Computer Science

August 2020 – Fall 2024

3.44 GPA

Experience

The University of Houston, Computer Science Department

Academic Support Assistant

August 2022 – Present

Houston, TX

- Coordinating with the course instructor to boost and maintain the **class GPA** above a **3.0**.
- Guiding **150 students** through fundamental principles of **C++** and **object oriented programming (OOP)**.
- Facilitating in-class lab time twice a week by providing face-to-face **code review** and assistance to students.
- Grading work for **250 students** covering key algorithmic paradigms in *Algorithms and Data Structures* (COSC 3320).

CougarCS

Director of Tutoring

August 2023 – Present

Houston, TX

- Driven a surge in community growth within my first **100 days** with over **400+** new users joining CougarCS Tutoring.
- Leading the **38** member tutoring team within the campus's longest serving Computer Science Organization.
- Facilitating course review workshops covering challenging topics in **Data Structures**, and **Algorithms**.
- Administering an inclusive and open-space for free peer-to-peer assistance and professional development.

Projects

CougarAI Website | *Next.js, TypeScript, TailwindCSS*

May 2023

- Wireframed and developed the first official website for the campus's premier club for Artificial Intelligence.
- Coordinated with the team to form a pragmatic sprint backlog that reflected our active communication.
- Refined the website's design to best represent the club's community of **500** users to the general public.
- Reimagined Cougar AI's branding and messaging through creating a communicative user interface (UI).

Gibraltr Visa Searcher | *Next.js, JavaScript, TailwindCSS*

January 2023

- Outlined a professional user experience (UX) that connects passport holders with **over 38,000** travel restrictions.
- Integrated dynamic routes to arrange visa requirements for **199 nationalities** from a Passport Index API data set.
- Tailored an informative and intuitive UI for multiple pages comprised of over a dozen React components.
- Equipped a scalable multiple-page application with a fully responsive front-end for mobile and desktop users.
- Maintained a methodological organization of code through **self-written documentation** for open source development.

Quotr - Fuel Quotes | *Next.js, JavaScript, TailwindCSS, NextAuth.js, Jest, MongoDB*

February 2023

- Leveraged a **scrum methodology** to accelerate and sustain development that thoroughly delivers valuable service.
- Designed comprehensive **unit tests** that instilled thoughtful development for a streamlined customer experience (CX).
- Authenticated user registration, logins, and credentials using NextAuth catch-all routing with a MongoDB adapter.
- Employed streamlined page routing through **GET** And **POST requests** to send and receive data from our database.

Portfolio Website | *Next.js, TypeScript, TailwindCSS*

April 2023

- Composed a **responsive** layout that's equally inviting for both mobile and desktop experiences.
- Utilized **abstraction** through functional components to deliver reusable, coherent and concise code.
- Modernized my minimalist user interface (UI) with a heavy emphasis on **hierarchy** and **active whitespace**.
- Developed a stateful contact form component that directly communicates with the GetForm API.

Technical Skills

Languages: TypeScript, JavaScript, Python, C++, Java, HTML/CSS

Frameworks: Next.js, Jest, Vue.js, MongoDB

Libraries: TailwindCSS, HeadlessUI, MaterialUI, ChakraUI, React.js, Node.js, NextAuth.js, NumPy, OpenCV

Developer & Design Tools: Git, Figma, VSCode, Photoshop, Inkscape