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Education

University of Houston   **August 2020 – May 2024**
Bachelor of Science in Computer Science   *3.44 GPA*

Experience

The University of Houston, Computer Science Department   **August 2022**
Academic Support Assistant   *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.
- Communicate complex memory management and OOP concepts in office hours twice a week.

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.

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**.

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 a informative and intuitive UI for multiple pages comprised of over a dozen React components.
- Leveraged a **scrum methodology** to accelerate and sustain development that thoroughly delivers valuable features.
- Maintained a methodological organization of code through **self-written documentation** for open source development.

Dunya Flight Searcher | *Next.js, TypeScript, TailwindCSS*   **October 2022**
- Led the front-end development of Dunya's initial website within **24 hours** at **CodeRED Hackathon 2022**.
- Conceptualized a sleek and approachable front-end for a metasearch web application as my first ever React application.
- Designed a streamlined interface that reflected a personalized user experience for ecommerce.

Multithreaded Parallel Fixed-length Code Decompressor (COSC 3360 Assignment) | *C++*   **May 2022**
- Decodes messages with a **semaphore** and **conditional variable** to prevent thread interference in shared memory.
- Demonstrates the use of **C++ POSIX threads** and advance proficiency of the language.

Leadership

CougarCS   **June 2023**
Director of Tutoring   *Houston, TX*
- Leading a tutoring community of **1,100+** users within the campus's longest serving Computer Science Organization.
- Administering the growth of an inclusive and open-space for free peer-to-peer assistance and professional development.

Technical Skills

Languages: TypeScript, JavaScript, Python, C++, Java, HTML/CSS, C#
Frameworks: Next.js, Jest, Vue.js, MongoDB
Libraries: TailwindCSS, HeadlessUI, MaterialUI, ChakraUI, React.js, Node.js, NextAuth.js
Developer & Design Tools: Git, Figma, VSCode, Photoshop, Inkscape