Joshua Ibrom

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Education

Texas A&M - San Antonio   08/2017 - 05/2024
Bachelor of Science in Computer Science

Relevant Courses

Algorithms · Discrete Structures · Software Engineering I · Artificial Intelligence & Machine Learning · Web Application Development · Mobile Application Development (Andriod & iOS) · Computer Networks · Scripting Languages (BASH · PowerShell · Python) · Database Design & SQL · Systems Analysis & Design · Computer Organization & Architecture · Linear Algebra · Calculus I & II

Projects

TAMU-SA ACM Website   09/2023
Tech Stack: Next.js, Tailwind, tRPC
Description: Led a team to create an informational website for TAMUSA's ACM chapter using the t3 stack.

Sorting-With-Svelte   12/2022
(🔗: sorting-with-svelte.vercel.app) (🐙: sk3p7ic/sorting-with-svelte)
Tech Stack: Svelte
Description: A simple Svelte webapp designed to visualize how several popular sorting algorithms function. The available algorithms are Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Quick Sort, and Heap Sort.

ApartMate   03/2023
Tech Stack: React, Tailwind, DaisyUI, Firebase
Description: Built for RowdyHacks 2023, this project aimed to given users a Tinder-like experience for apartment hunting. Built with the assistance of two other people.

JoshuaIbrom.Com   12/2022
(🔗: joshuaibrom.com) (🐙: sk3p7ic/astro.joshuaibrom.com)
Tech Stack: Astro, Tailwind, HTML, CSS, Markdown, Svelte
Description: My personal portfolio website, now featuring static generation and detailed project pages. Some Svelte is used for navbar state on smaller viewports.

JagTrucks   07/2022
(🐙: sk3p7ic/wad-JagTrucks) (🐙: sk3p7ic/wad-JagTrucks-backend)
Tech Stack: React, React-Bootstrap, Express, MongoDB, Node, JavaScript
Description: My project that my partner and I worked on for my Web Application Development course. This website uses React for the frontend and an Express server for the backend with the goal of creating a more unified way for students on campus to view the food trucks that serve the university, as well as a way for those trucks to manage their data on the website.

Skills

Languages: JavaScript / TypeScript, Python, Java, Zig, BASH, PowerShell, HTML, CSS.
Web Frameworks / Libraries: React, Next.js, Astro, Svelte / SvelteKit, Vue.js, Node.js, Express
Other Technologies: Git, GNU/Linux, Vim, Firebase, MongoDB, Cascade CMS, LaTeX

Work Experience

Student Worker   08/2023 - Current
Texas A&M - San Antonio Information Technology Services Web Team
Helped assist the Web Team in managing TAMUSA-owned websites in Cascade CMS through the creation and maintenance of pages.

Student Worker   09/2017 - 01/2022
Texas A&M - San Antonio University Police Department
As a student worker I carried out various patrol duties to include public speaking, general security, report writing, and parking enforcement. I also assisted with various other duties, such as lab inspections, chemical inventories, project correspondence, and general office work.
Awards:
- Civilian Employee of the Year Award, 2021.
- Chief's Commendation Award, 2020.
- Certificate of Merit, 2018 & 2019.

Academia

Janet Zulu, Joshua Ibrom, Joshua Zyzak, Izzat Alsmadi and Gongbo Liang. "Enhancing Machine Learning Based SQL Injection Detection using Contextualized Word Embedding." In *The Third Intelligent Cybersecurity Conference*. IEEE, 2023.

Interests & Activities

RowdyHacks 2023 – Hacker / Participant
Participated and built a webapp with two other students in my ACM club.

TAMU-SA ACM – Logistics Officer
Officer and member of my university's Association for Computing Machinery club.

Police Explorers – Captain
Was one of three members of command staff. Assisted with planning meetings and teaching the material.

TAMU-SA Cycling Club – Vice President
Assisted with planning meetings and rides.

SoHacks 4 & 5 – Mentor
Assisted competitors with various issues that they had with their code. Also helped teach others how to start programming.

CyberPatriot – Mentor
Taught competitors information that they would need to know for the competition, focusing on GNU/Linux.

Boy Scouts of America – Eagle Scout
Was an active member of my troop, achieving Eagle Scout and Brotherhood in the Order of the Arrow.