Joshua Ibrom

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Education

Texas A&M-San Antonio. MS Computer Science.   **08/2024 - Current**
Current GPA: 4.0

Texas A&M-San Antonio. BS Computer Science.   **08/2017 - 05/2024**

Work Experience

Research Technician. San Antonio, Tx   **12/2024 - Current**
Texas A&M-San Antonio

- Planned the development of a new web application for the University which allows for increased collaboration among faculty members through tracking and displaying their grants, publications, and presentations.
- Collaborated with University staff to ensure that the application could be integrated into pre-existing platforms for an enhanced user experience.

Web Development Intern. San Antonio, Tx   **05/2024 - 08/2024**
Texas A&M-San Antonio Information Technology Services Web Team

- Migrated 3000+ pages of the University website in Cascade, serving as the point of contact for the migration.
- Deployed new portal application with over 8000 users consisting of all students, faculty, and staff using CampusM.
- Supported continued development of a LAMP stack application used to store syllabi and CVs for University courses.

Web Team Student Worker. San Antonio, Tx   **08/2023 - 05/2024**
Texas A&M-San Antonio Information Technology Services Web Team

- Managed over 3000 pages of the University website in Cascade CMS and used SiteImprove to ensure content quality.
- Developed a new website for the University Esports program using HTML, CSS, Javascript, and Bootstrap.
- Implemented parameter and form validation on our LAMP stack application to ensure the application's security.

Projects

Fossil Finances. Winner, RowdyHacks 2024 SWIVEL Challenge   **02/2024**

- Collaborated on building a web fintech application incorporating accessibility-focused UI/UX design principles to assist elderly users in navigating the online banking landscape.
- Unified the React-based frontend with the Flask-powered backend that interfaced with our Firebase Firestore.

HackSA Website.   **10/2023**

- Deployed website for TAMU-SA's HackSA hackathon for participant tracking and event management.
- Created new API endpoints for data analysis and mentored in other members' understanding of working with the codebase which utilized Next.js, TailwindCSS, and Firebase.

Skills

Programming: Javascript/Typescript, Python, Rust, Zig, HTML, CSS.
Web and Other Technologies: React, Astro, Svelte, Express, Node.js, GNU/Linux, Vim, Git, SQL, Cascade CMS.

Extracurricular Activities

Hacker/Participant, Winner. RowdyHacks 2024   **02/2024**
Engineered a web application for the hackathon's SWIVEL challenge which yielded an elderly-friendly and accessible banking solution for which I focused on state management and general project guidance.

Organizer/Web Team. HackSA 2023   **10/2023**
Organized and ran my university's first overnight hackathon and worked on the website for the hackathon. Led 2 workshops covering the basics of Figma and an Introduction to HTML & CSS.

Logistics Officer. TAMU-SA ACM   **09/2023 - 12/2023**
Served as an officer of my university's Association for Computing Machinery organization. Led 1 Introduction to HTML, CSS, & JS workshop with an attendance of over 25 members and 1 Introduction to Git workshop.