Zackarya Umar

San Antonio, TX • 210-995-4233 • zackumar2@gmail.com • https://github.com/zackumar

EDUCATION

University of Texas at San Antonio   **Dec 2023 (Anticipated)**
Bachelor of Science in Computer Science   *San Antonio, TX*
- GPA: 3.8 / 4.0
- Relevant Coursework: Data Structures, Application Programming, Systems Programming, Software Engineering, Database Systems, Computer Architecture, Operating Systems

WORK EXPERIENCE

H-E-B   **Summer 2022**
Software Engineering Intern
- Worked with a team of 10, using Agile methodologies, to help maintain H-E-B's (Texas' largest grocery chain) in-house server-side rendering service built on NodeJS, the e-commerce GraphQL service, and support feature teams on feature work on a website seeing ~15M views per month
- Migrated the store locations page, seeing 100,000 users a month, from Oracle ATG to React, speeding up the user experience and adding progressive enhancement, allowing heb.com to function even when JavaScript can't load
- Converted heb.com core components from JavaScript to TypeScript to aid in maintainability, faster development, and a more bug-free user experience

University of Texas at San Antonio   **Aug 2021 - Present**
Computer Science Tutor
- Tutoring C in Programming I and Computer Programming II, Data Structures, and Applications Programming, Operating Systems and Systems Programming
- Provide private instruction to individual or small groups of students to improve academic performance, improve occupational skills, or prepare for academic or occupational tests
- Review class material with students by discussing text, working solutions to problems, or reviewing worksheets or other assignments

PROJECTS

- **UTSA CS Main Lab Slack Bot:** Built a Slack bot for the UTSA CS Department to help manage and verify ~2500 students for tutoring services by sorting students into respective private course channels and adding custom commands for admins and tutors. Made with Python
- **newspaper_snippets:** Created an Instagram/Twitter bot with TypeScript that posts cropped scans of newspapers from exactly 100 years ago, daily. Uses computer vision to identify areas of interest such as advertisements and pictures from the newspapers

EXTRACURRICULARS

Google Developer Student Clubs   **Aug 2022 – Present**
Core Member – Technology Lead
- Founding officer of the Google Developer Student Clubs chapter at UTSA. Helping with aspects such as web development and other technology needs, as well as workshop planning/hosting

SKILLS & INTERESTS

o **Languages:** Proficient in Java, TypeScript and JavaScript, HTML/CSS, Python, C, and Dart
o **Technologies/Environments:** Windows, macOS, Linux, Jira, Git, Docker, React, NodeJS