Zackarya Umar

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WORK EXPERIENCE

USAA   **Summer 2023**
Software Engineering Intern
- Collaborated with a cross-functional team of software engineers and fraud analysts to develop a robust API integration with a third-party wire screening vendor, enhancing the ability to screen and protect an average of 150,000 wire transactions per month.
- Designed, developed, and tested API endpoints with Java Spring Boot for seamless communication between USAA's internal fraud detection suite and our third-party's fraud detection platform contributing to a significant reduction in potentially fraudulent activities. Using both SQL Oracle DBs and NoSQL Cassandra DBs to store and manage data.

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 be universally accessible for anyone regardless of the user's device capabilities.

University of Texas at San Antonio   **Jan 2023 - Present**
Undergrad Teaching Assistant
- Assisting in grading student assignments, exams, and projects related to Operating Systems concepts, such as memory management, locks, and scheduling
- Maintaining accurate records of student grades and assignments in a timely manner
- Collaborating with other TAs to ensure consistency in grading and teaching approaches

University of Texas at San Antonio   **Aug 2021 – Aug 2022**
Computer Science Tutor
- Tutoring Data Structures, and Applications Programming, Operating Systems and Systems Programming
- **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

EDUCATION

University of Texas at San Antonio   **Dec 2023**
Bachelor of Science in Computer Science
- GPA: 3.8 / 4.0

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 running workshops. Built gdscutsa.com with React as a portal for students to see events and access resources

SKILLS & INTERESTS

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