

Zackarya Umar

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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

USAA

Summer 2023

Software Engineering Intern

University of Texas at San Antonio

Jan 2023 - Present

Undergrad Teaching Assistant/Grader

- Assisted in grading student assignments, exams, and projects related to Operating Systems concepts, such as memory management, locks, and scheduling
- Maintained accurate records of student grades and assignments in a timely manner
- Collaborated with other TAs to ensure consistency in grading and teaching approaches

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

University of Texas at San Antonio

Aug 2021 – Aug 2022

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
- 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

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