

# Zackarya Umar

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## EDUCATION

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### 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

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### H-E-B

Summer 2022

*Software Engineering Intern*

- Worked with a team of 10 to help maintain H-E-B's in-house server-side rendering service built on NodeJS, the e-commerce GraphQL service, and support web feature teams on feature work
- 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
- 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 Programming I for Computer Science, Computer Programming II, Data Structures, and Applications 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

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- **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

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### Google Developer Student Club

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.

## SKILLS & INTERESTS

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