

ZacharySteen.com

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EXPERIENCE

USAA, San Antonio — Full-Stack Software Engineer

SEP 2021 - PRESENT

Building functional UI components and high-scale backends for the new enterprise CRM app, *Conversant*. Debugging/supporting 99% availability distributed systems while on-call. Subject matter expert for our instance-based security system. Delivered \$750k annual savings by creating an admin tool for job-role-capability configurations. *JavaScript (React/RTL, Redux), Java (Spring Boot/JUnit, JBoss), HTML, CSS, AWS, Git, Jira, Splunk, Elastic, Postman, SQL, GraphQL*

USAA, San Antonio — Software Engineer Intern

MAY 2020 - AUG 2020

Created reusable integration/testing code snippets for common use cases of the *Enterprise Disclosure Widget* UI Component, leading to 30% fewer help tickets opened by our consumer devs. *JavaScript (React/RTL, Redux), HTML, CSS, Git, Jira*

Atriecon SDG, San Antonio — Software Developer

May 2019 - AUG 2019

Migrated and modernized legacy tools and batch jobs, drastically improving process efficiency for an architecture firm handling multi-million dollar construction projects. *C/C++, AutoCAD*

PROJECTS

WatchExchanger.com — SaaS Web App

Companion app for Reddit's r/WatchExchange community (352k users), sends instant notifications via SMS/email to members. *AWS SES/SNS/SQS/Lambda, React JavaScript, Stripe Webhooks, Reddit API*

Microsoft HoloLens Eye-Tracking Bots — Research

Award-winning department-sponsored augmented reality research project, using eye-gaze to reduce accidents when using robots for logistics/warehousing. *C#, Unity*

TAMU EH Participation Tracker — Web App

Event attendance tracker, commissioned/used by the Eng. Honors org at Texas A&M University. *Ruby on Rails, Heroku*

EDUCATION

The University of Texas, Austin — MS Comp. Sci.

AUG 2021 - MAY 2024

3.90 GPA, with a research focus on ML/DL/RL/NLP. *Python, PyTorch, TensorFlow, AWS, LaTeX*

Texas A&M University, College Station — BS Comp. Eng.

AUG 2017 - MAY 2021

3.86 GPA, with a research honors distinction and minors in business and mathematics. *C/C++, Java, Python*

ACCOMPLISHMENTS

AWS Certified Cloud Practitioner

Passed the official AWS exam in 2023.

Texas A&M Engineering Showcase Finalist

Selected out of 200+ teams as an outstanding project, receiving a cash award and encored to Texas A&M Engineering corporate sponsors.

National Instrument Scholar Award

Academic/merit scholarship awarded by National Instruments in 2020.

Herman F Heep, Robert M Kennedy '26 Endowed, and Shari and Carlton Smith Scholarships Recipient

Three academic/merit scholarships awarded by Texas A&M Engineering in 2019/2020.