

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, Express), *Java* (Spring Boot/JUnit, JBoss, Kafka), *HTML*, *CSS*, *AWS*, *Git*, *Jira*, *Splunk*, *Elastic*, *Datadog*, *Postman*, *SQL*, *GraphQL*, *Couchbase*, *Kubernetes* (Helm), *Docker*, *Envoy* L7 Proxy

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 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/DynamoDB*, *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.