

Zachary Steen

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EXPERIENCE

Google, Durham NC — *Software Engineer, Site Reliability*

Nov 2024 - Present

USAA, San Antonio TX — *Software Engineer, Full-Stack*

SEP 2021 - Oct 2024

Building functional UI components and high-scale backends for our new enterprise CRM app. Debugging and supporting 99% availability distributed systems while on-call. Working on a large, diverse team with developers, designers, and business experience owners. Contributed to our instance-based security system. Delivered large 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 TX — *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 consumer devs. *JavaScript (React/RTL, Redux), HTML, CSS, Git, Jira*

Atriecon SDG, San Antonio TX — *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 members instant notifications via SMS/email. *AWS SES/SNS/SQS/Lambda/DynamoDB, React JavaScript, Stripe Webhooks, Reddit API*

[TAMU EH Participation Tracker](#) — *Web App*

An event attendance tracker commissioned and used by the Engineering Honors org at Texas A&M University. *Ruby on Rails, Heroku*

EDUCATION

The University of Texas, Austin TX — *Master of Science in Computer Science*

AUG 2021 - MAY 2024

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

Texas A&M University, College Station TX — *Bachelor of Science in Computer Engineering*

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.