ZACHARY STEEN

zsteen13@gmail.com · (210) 725-1871 · www.zacharysteen.com

EDUCATION

University of Texas   Austin, TX
Master of Science in Computer Science, *GPA: 3.89*   *Aug 2021 - Now*

Texas A&M University   College Station, TX
Honors Bachelor of Science in Computer Engineering, *GPA: 3.87*   *Aug 2017 - May 2021*
Minors in Business and Mathematics
    Dean's Honor Roll, Departmental Awards/Scholarships

EXPERIENCE

USAA   San Antonio, TX
Software Engineer   *Sep 2021 - Now*

- Built/supported USAA's new high-scale CRM software, *Conversant*, to an SLO of **99% availability**
- Implemented functional UI components via **React** with **Redux**, with automated testing to be **used by 10,000 member service representatives daily**
- Implemented an *Instance-Based Security* API in the **Java** framework, **Spring Boot**, which runs security checks **over 1 million times per day**, along with many other APIs
- Led in development of the *Conversant Admin Tool*, which enables non-technical staff to **configure JSON files** for each job role at USAA, customizing each job roles' *Conversant* UI configuration

USAA   San Antonio, TX
Software Engineer Intern   *May 2020 - Aug 2020*

- Joined a team that develops/supports the *Enterprise Disclosure Widget*, a legal compliance UI component that is consumed by enterprise UI developers
- **Shortened the time-to-integrate** for our consumer developers by creating a demo app of reusable integration/testing code for common flows with our UI component

Atriecon SDG   San Antonio, TX
IT Intern   *May 2019 - Aug 2019*

- Addressed software needs of an architectural firm and **automated business-critical AutoCAD jobs**
- Translated **C** code written for 16-bit machines into **C++** code for modern computers, **dramatically improving run times** of some batch jobs

PROJECTS

WatchExchanger.com Webapp   `www.watchexchanger.com`

- Companion app for Reddit's r/WatchExchange community, sending **thousands of notifications per month** to a growing user base
- Built on **AWS**, has a **React** interface for users to subscribe to topics, then consumes the Reddit API via a **Lambda Step Function** serverless backend to send all relevant emails/texts in **less than a minute**
- Integrates **Stripe** as a payment processor via **Webhooks** and **AWS SQS**

Microsoft HoloLens Eye-Tracking Research   `www.github.com/zsteen13/HoloLensResearch`

- Using **Unity** via **C#**, augments a robot model into the room with the user and uses their eye-gaze to make the **path finding** of the robot safer as it completes tasks, with logistics/warehousing applications
- Honors research project sponsored by the Texas A&M Department of Electrical and Computer Engineering, **selected as a featured project** at the Texas A&M 2021 Engineering Project Showcase

Participation Tracker Webapp   `www.github.com/zsteen13/EH_ExComm_Participation_Tracker`

- **Ruby on Rails** point tracker app used by the Texas A&M University Engineering Honors department
- Automates process of tracking points according to department rules for **hundreds of students**

SKILLS

Languages	Java, JavaScript, HTML/CSS, SQL/GraphQL, Python
Frameworks	Spring Boot (JUnit/Mockito), React (Redux/RTL), PyTorch
Tools	AWS (CloudWatch, Cognito, DynamoDB, Lambda, SES/SNS), Git, Jira, Splunk, Elastic
Certifications	AWS Certified Cloud Practitioner, Git, React (Design Patterns, Hooks)