

# ZACHARY CRISTOL

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## WORK EXPERIENCE

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### HEB

*Software Engineer II*

Austin, Tx  
June 2020 - December 2021

- Led development of a marketing tool for communications campaigns, managing 2M customers per campaign within a 4-hour window.
- Optimized AWS infrastructure, implementing cost-saving measures that reduced AWS costs by 48 thousand dollars a year.
- Managed and enhanced a communication system sending 600k messages daily via SMS, push, email, and voice.
- Initiated and led semi-weekly meetings to assign and review pull requests across 18 repositories.
- Spearheaded analytics integration into four production services, collaborating with two teams and contributing to their repositories.
- Consistently developed test suites and launch plans to ensure successful rollout and reliable event tracking for new features.
- Developed the frontend and backend systems for in-app grocery order check-ins, processing around 50k check-ins per day.

### HEB

*Software Engineer I*

Austin, Tx  
December 2021 - Present

- Led iOS push notification system delivering 100k daily notifications, enhancing HEB Curbside and Delivery.
- Created and deployed the first iOS widget for MyHEB.
- Developed an app review prompt system integrated with an external reporting system.
- Rearchitected profile and communication preference experience.
- Collaborated on MyHEB iOS platform with 400k daily and 1M total users, sharing responsibilities for app deployment, monitoring, and enhancements.

### Silvercar

*Frontend Developer*

Austin, TX  
May 2019 - August 2019

- Added Redux to areas of the core React app, improving state management across multiple web products.
- Integrated linters, testing frameworks, and deployment pipelines, significantly improving workflow efficiency and data tracking.

## EDUCATION

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### The University of Texas at Austin

BS Computer Science *GPA: 3.6*

Austin, TX  
August 2015 - June 2020

## SKILLS

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Backend:	Java, Spring Boot, Database System Design, Pub-Sub System Design, Python, Datadog
Infrastructure:	AWS, Terraform, Cloudformation, CICD Pipelines, Fastlane, Docker, ECS, ECR, Fargate
Frontend development:	Swift, JavaScript, RxSwift/Combine, HTML, CSS

## COMMUNITY

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### Mentor

Mentored two high school students by holding bi-weekly meetings focused on technology skill development, positive habit building, college expectations, and career development, while providing organized resources on these topics.

CAST Tech Mentorship  
January 2021 - August 2021