

# CARSON SALDANHA

carson.saldanha@gmail.com | cs.utexas.edu/~saldanha | linkedin.com/in/carson-saldanha

## EDUCATION

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The University of Texas at Austin, Austin, TX

December 2022

*Bachelor of Science in Computer Science*

- **GPA:** 3.85
- **Minors:** Informatics, Business
- **Relevant Coursework:** Data Structures, Software Engineering, Mobile Development, Machine Learning, Operating Systems

## SKILLS

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- **Languages:** Java, Python, Kotlin, Swift, C, HTML, CSS, JavaScript, TypeScript, Clojure
- **Technologies:** React, Git, Gradle, Docker, Linux

## EXPERIENCE

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Cisco, San Jose, CA

May 2022 – August 2022

*Software Engineering Intern*

- Created an end-to-end testing suite using Playwright for the Webex integration app in Microsoft Teams.
- Automated the tests to perform various tasks in the app and added them to the CI pipeline to maintain functionality.
- Fixed several documented accessibility defects within the app and tested the new behavior using a screen reader.
- Hands-on experience with Playwright, Docker, ngrok, and WAI-ARIA.
- Coordinated with managers and other team members to complete these tasks in an agile workflow.

AppDynamics, San Francisco, CA

May 2021 – August 2021

*Software Engineering Intern*

- Created an internal Java API to generate fake data traces and spans for product and pipeline performance testing.
- Developed a Kafka producer client for publishing the generated Avro objects to a Kafka consumer client.
- Hands-on experience with Git, Gradle, and Apache Avro, Kafka, and Druid.

## PROJECTS

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**Backboard for Android**

[github.com/carsonsaldanha/backboard-android](https://github.com/carsonsaldanha/backboard-android)

- Currently developing a fully native Android app in Kotlin with live scores, stats, news, highlights, and standings for the NBA.
- Features a beautiful UI using Material Design 3 components and dynamic color from the user's wallpaper.

**Catching Congress**

[catchingcongress.me](https://catchingcongress.me)

- Developed a responsive React web app in TypeScript with lobbying data on congresspeople, committees, and industries by integrating our own custom backend API and database.
- Hands-on experience with MUI, AWS, GitLab CI, Postman, Docker, Jest, Selenium, and Recharts.
- Was the main group leader for the duration of the project and implemented all frontend components.

**Backboard for iOS**

[github.com/carsonsaldanha/backboard-ios](https://github.com/carsonsaldanha/backboard-ios)

- Developed a fully native iOS app in Swift with live scores, stats, news, highlights, standings, and notifications for the NBA.
- Features a beautiful UI with accent colors from the user's favorite team along with light and dark themes.
- Implemented Firebase Authentication for log-in and sign-up support, and parsed various REST APIs for the sports data.

**Screen Recorder web app**

[screenrecorderweb.app](https://screenrecorderweb.app)

- Developed a minimal, screen recording PWA from the ground up using pure HTML, CSS, and JavaScript.
- Leveraged the Screen Capture API to process all recordings locally, on-device.
- Works fully offline on ChromeOS, macOS, Windows, and Linux.
- Hands-on experience with various web APIs, npm, Webpack, and Material Design components.

**Elevation web app**

[carsonsaldanha.github.io/elevation](https://carsonsaldanha.github.io/elevation)

- Developed a responsive, elevation PWA from the ground up using pure HTML, CSS, and JavaScript that works cross-platform.
- Used jQuery to parse various REST APIs for the elevation data using the user's location coordinates.