






CARLOS RIVAS


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EXPERIENCE

Fetch
Software Engineer

 Birmingham, AL
May 2023 - Present


- Contributed to the development of a dashboard that allows partners to add brands, promote products, and view performances within the Fetch app in real time.
- Led the frontend development of business and brand creation which simplifies the addition of new businesses and brands to display and promote on the Fetch app.
- Built and maintained microfrontends written in TypeScript, Svelte, and React which allows for a more modular and scalable manner of creating and sharing features that are used amongst internal web apps written in different frameworks.
- Wrote end-to-end tests using Playwright to verify the workflow of new features.
- Implemented endpoints on a Backend For Frontend service using Go and OpenAPI.

Lyft
Software Engineer Intern

 San Francisco, CA
Summer 2022


- Worked alongside the Driver Pay Contracts team which involved using React, TypeScript, and Go to improve the management of contracts that handle driver pay.
- Built an internal user interface aimed to help engineers and managers search, view, and edit contracts to efficiently revise driver pay for different conditions.
- Wrote technical specifications to plan the implementation of new features and gathered feedback from multiple engineers to improve the solution.
- Presented my work to a broad range of teams and advocated for the allocation of resources to continue the development of features on my project after my leave.

Khan Academy
Software Engineer Intern

 (Remote) Mountain View, CA
Summer 2021


- Worked alongside the Frontend Infrastructure team which involved collaborating with other developers to deliver necessary tools, features, and fixes.
- Built new components for Wonder Blocks, Khan Academy's design system, using React and Flow and integrated them into the Khan Academy web app.
- Wrote unit tests using Jest and Enzyme to ensure new code met expectations.
- Worked in an Agile environment which included using Jira for issue tracking, code reviews to detect bugs, and GitHub Actions for continuous integration.
- Wrote internal documentation for all of my new features and shared my work with other developers through broader team meetings and blog posts.

SELECTED PROJECTS

Dream Trade: Stock Market Sim  **iOS Investing App**

↪ Xcode, Swift, Firebase, TypeScript — apps.apple.com/us/app/id1517485993

- Developed a full-stack iOS app that offers virtual money to trade among thousands of real-time stocks and provides the ability to compete with others.
- Integrated Firebase to handle user authentication, data storage, local caching, and event-triggered functions written in TypeScript.
- Followed the Model-View-Controller design pattern to organize the flow of information between custom data models and the user interface.


React Native Code Editor  **NPM Package**

↪ React Native, TypeScript — npmjs.com/@rivascva/react-native-code-editor

- Published a code editor component to NPM built for React Native which provides syntax highlighting and can be used as a code editor or to display code snippets.
- Included unit tests to verify that new changes do not modify expected behaviors or appearances, and extensive documentation for users to understand all usages.
- Integrated GitHub Action workflows to run lint checks and unit tests against pushes to the main branch, and run a publishing action to NPM on new version releases.


EDUCATION

University of Alabama at Birmingham
Bachelor of Science, Computer Science

 December 2022

- Member of the Honors College
- 4.0 Overall GPA

Vestavia Hills High School
High School Diploma

 May 2019

- Member of Multiple Honors Societies
- 4.4 Weighted GPA

TECHNICAL SKILLS

Programming Languages:

TypeScriptJavaScriptPythonSwiftJavaGoHTML/CSSC#Flow

Development Environments:

Visual Studio CodeXcodeVimUnityEclipseIntelliJ

Tools and Libraries:

ReactReact NativeSveltePlaywrightJestGitDockerGinnpmUIKitjQueryNode.jsExpress.js

Cloud Systems:

AWSFirebase

RELEVANT COURSES

- Software Engineering
- Algorithms and Data Structures
- Systems Programming
- Automata / Formal Languages
- Programming Languages
- Computer Organization / Assembly Language
- Object-Oriented Programming
- Networking
- MIT OpenCourseWare:
 - Introduction to Algorithms
- Stanford Engineering Everywhere:
 - Developing Apps for iOS

LANGUAGES SPOKEN

English

Spanish

CERTIFICATIONS

- PC Pro Certification (TestOut)
- Microsoft Technology Associate:
 - Software Development Fundamentals (C#)