

CARLOS RIVAS

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SUMMARY

- A computer science graduate offering a strong and continuously growing understanding of programming and software engineering concepts.
- Particular strengths in frontend web development and iOS mobile development with an optimistic outlook at solving problems with high-tech solutions.

EXPERIENCE

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.

Portfolio | Carlos Rivas 🌐 **Personal Portfolio Website**

↔️ TypeScript, HTML, Sass — rivascarlosva.com

- Designed and developed a personal portfolio website to showcase software projects and present important information about myself.
- Integrated Webpack to bundle project resources to compile, debug, and deploy builds of the site for development and production.
- Learned the deployment process of a website through AWS and the AWS CLI.

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:

TypeScript JavaScript Python Swift

Java Go HTML/CSS C# Flow

Development Environments:

Visual Studio Code Xcode Vim Unity

Eclipse IntelliJ

Tools and Libraries:

React React Native Git Docker Gin

npm UIKit Jest jQuery Node.js

Express.js

Cloud Systems:

Firebase AWS

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

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CERTIFICATIONS

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