

# Alex Valero

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## PROFESSIONAL EXPERIENCE

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### VOUS Web Team | Miami, FL

April 2023 - now

*Web Developer - Volunteer*

- Produces thorough deliverables in the form of JavaScript and CSS code that includes every necessary component for instant implementation.
- Collaborates with a team of up to 6 people to solve problems and concerns.

### VOUS Full Stack Internship | Miami, FL

May – August 2023

*Web Developer - Intern*

- Implemented business logic for an ecommerce section of the VOUSCon website which automated tracking inventory of all merchandise and each of their variants.
- Refined existing JavaScript Code and fixed bugs on the VOUS crew sign up website which eliminated redundancies in the UX saving the user 3 additional steps.
- Delivered cloud functions in GO for backend essentials such as querying data from the Shopify API and sending custom push notifications for a mobile app.

## PROJECTS

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### Travel Smart | *Plan, Budget, & Discover.*

- Created a full stack React web application with several integrations including the google maps API, google places API, firebase authentication and a firestore database.
- Programmed several features including filtering logic, reading and writing to the database, authentication, animations, and dynamically populating pages with information.
- Optimized performance by integrating algorithms that reduced the time complexity of several functions from  $O(n^2)$  to  $O(n \log n)$ .
- Built a user-friendly UI made with responsive design principles such as flexbox, grid, media queries and relative sizing strategies.

### TinCar | *Customer Friendly Used Car Website.*

- Integrated an API to gather vehicle details and formulated car pricing based on average market values with automatic calculations that consider depreciation rate and added cost to specific trims.
- Built with React using Object Oriented Programming principles resulting in ease of refactoring and better organization.
- Set up a MongoDB database to store user information and credentials along with the Square API for payment processing.
- Implemented tools allowing users to get financing information, exact vehicle specifications, and more.

## SKILLS

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**Programming:** HTML, CSS, JavaScript, React, NodeJS

**Languages:** English & Spanish