

David Ferro

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LinkedIn: <https://www.linkedin.com/in/davidferro91/> | GitHub: <https://github.com/davidferro91>

Website: <http://davidferroportfolio.herokuapp.com/>

SUMMARY

Full-stack Web Developer able to create a variety of web pages and programs with eleven years of logic-oriented and problem-solving experience from college coursework, teaching high school math, and coding bootcamp. Detail-oriented, ensuring projects are completed correctly, able to stay calm under pressure, and able to transform abstract, complicated topics into an understandable description.

TECHNICAL SKILLS

HTML, CSS, JavaScript, jQuery, Node.js, Express.js, MongoDB, MySQL, React.js, Java

PROJECTS

Google Books Search | https://github.com/davidferro91/Google_Books_Search **Creator and Designer**
<https://googlelibrarybooksearch.herokuapp.com/>

Search application for finding books using the Google Books API that allows users to save their favorite books for later.

- Designed the components for React to render the pages in a single-page web application
- Built the Express server for hosting the webpage, making the API calls, and storing the data of the books selected by the users
- Project uses HTML5, CSS, JavaScript, Node.js, Express.js, React.js, Mongoose/MongoDB, Google Books API

Firefighter's Friend | <https://github.com/davidferro91/firefightersfriend>
<https://firefightersfriend.herokuapp.com/>

Backend Developer
Model Designer

Firefighter management system designed to keep track of certifications for personnel and equipment conditions for a firehouse.

- Built the API routes to receive and send data from the client to the server and store in the database
- Coded the JavaScript to grab the user-entered data to send to the server and display the current data
- Project uses HTML5, CSS, SASS, JavaScript, jQuery, Node.js, Express.js, Handlebars, Sequelize/MySQL

USA-Yesterday | <https://github.com/davidferro91/USA-Yesterday>
<https://usa-yesterday.herokuapp.com/>

Creator and Designer

Scraping website for getting news articles from USA Today and allowing the users to save their favorite articles and to add their comments as well.

- Built the MVC which included API routes for scraping articles from USA Today, API routes for saving articles and user comments to a noSQL database, and HTML routes for rendering pages
- Designed the layout of the webpage using Handlebars to display all of the unique found articles
- Projects uses HTML5, CSS, Materialize.css, JavaScript, jQuery, Node.js, Express.js, Handlebars, Mongoose/MongoDB, Axios, Cheerio

Night On The Town | <https://github.com/davidferro91/GroupProject1>
<https://davidferro91.github.io/GroupProject1/>

**Developer of Events
JavaScript Synthesis**

Web-based application that is designed to provide the user with events, bars, and restaurants in any U.S. city of their choice for today or a future date.

- Researched and developed JavaScript to use the Seatgeek API to find events on the user-specified date
- Analyzed the JavaScript from all four of the project developers and combined appropriately
- Project uses HTML5, CSS, JavaScript, jQuery, Seatgeek, Yelp, Zomato, Zippopatum.us APIs, and Geolocation

FriendZone | <https://github.com/davidferro91/FriendFinder>
<https://friendzone91.herokuapp.com>

Creator and Designer

An application designed to match you with a friend with the closest personality to yours by comparing your survey responses with theirs.

- Designed the easy to use UI and the stylish, welcoming theme
- Built the backend server to manage the HTML and the API routes
- Project uses HTML5, CSS, JavaScript, jQuery, Bootstrap, Chosen, Node.js, Express.js

TriviaQ Trivia Game | <https://github.com/davidferro91/TriviaGame>
<https://davidferro91.github.io/TriviaGame/>

Creator and Designer

Timed trivia game with questions to test your knowledge in a variety of categories.

- Programmed the JavaScript to make timers for the questions and the displays of the correct answers
- Explored CSS abilities to make highlighted answers without using buttons
- Project utilizes HTML, CSS, JavaScript, jQuery, and intervals for timers

EXPERIENCE

High School Math Teacher – *Horizon Science Academy* – Cleveland, OH **2012 – Present**

Instruct AP Calculus AP, Trigonometry, Statistics, Pre-Calculus, Algebra II, Geometry, and Algebra I over the course of my teaching career and implemented different technologies, such as Star Board, TI-84 calculators, document cameras, and web tools such as desmos.com and wolframalpha.com.

Key Accomplishments:

- Enacted student-teacher mentorship program with Case Western Reserve mathematics students through adjunct-lecturer appointment
- Headed multiple graduation ceremonies by speaking as the Master of Ceremonies
- Collaborated with peers and supervised grade chair meetings for both 11th and 12th grades

EDUCATION

Case Western Reserve University, Cleveland, OH – Full Stack Web Development Certificate

Case Western Reserve University, Cleveland, OH – Bachelor of Arts in Mathematics and Education