Michael Williams

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Summary

Approachable, certified **full-stack developer** possessing strong technical abilities and collaborative leadership experience. Driven by a passion for code that is clean, readable, and simple with intuitive variable names. Nominated team lead for every bootcamp project. Recognized for clear communication for unambiguous workflow. Looking to bring experience and technical skills to a company to grow and become a valuable asset.

Technical Skills

JavaScript (ES6) | CSS3 | Node.js/Express | jQuery | HTML5 | Terminal/Git | Bootstrap | NPM MongoDB | SQL/Sequelize | MVC | React

Technical Projects

EventWeather | GH | Team Lead - API parsing and JavaScript

Technologies used: Dark Sky API, OpenCage API, Eventful API, jQuery, AJAX, JavaScript, Bootstrap, CSS
Worked in a group of 4 people. Created an event-weather app, which correlated hourly weather forecast with the start-time of events in a specified location- ranked by popularity of event. The libraries used were DarkSky, Eventful, and OpenCage and Algolia Places Autofill to improve the user experience. jQuery was used to grab user input (city of choice), which was sent to OpenCage API for conversion to latitude/longitude, which was then sent to Dark Sky API to grab hourly weather, which was sent to Eventful API to correlate events with weather. JavaScript was used to parse data, and jQuery was used to organize the data into a table to be sent to the DOM.

PennyPincher | GH | Team Lead - Backend

Technologies Used: Chart.js, node.js/express, express-handlebars, SQL/Sequelize
This web application lets users create a monthly budget and compare their budget to their expenses. Once expenses have exceeded the budget, the expenses bar will be displayed in red, indicating that there is a problem. Underneath the bar graph, a table of expenses displays all the relevant data from their purchase history: date purchased, item name, dollar amount, and category. So it's easy for the user to track down how well their expenses have matched up with their budget. jQuery was used to grab user input, which was then sent to a native API matching the specified route. Then the API makes a database query, and the information gets sent to handlebars where it is rendered to the DOM.

Trippin' | GH | Full-Stack – API creation, Maps API parsing, React, and Mongo Queries

Created a full-stack web application that provides users with information they would want for a road trip. Information includes directions, hotels, restaurants and places of interest in bulleted list form. Authentication was included so that users can save trips unique to their profile. I was responsible for sections of both the front end and the back end. This project fetches information from two Google Maps APIs, one is their standard Maps API, and the other one is an NPM package used to simplify map display using React. Native APIs were also used to grab data from our Mongo database. React.js was used as our UI library, which simplified state management and organized chunks of code into reusable components that could dynamically render the DOM using props.

Work Experience

Healthy Solutions; Scottsdale, AZ *Chemist* 09/2018- 01/2019

- Managed organoleptic analyses as well as Karl Fischer titrations (Mettler Toledo), FTIR, LOD, Redox titrations, and pH.
- Performed high priority analyses on short notice.

Epcor Water USA Inc.; Surprise, AZ *Water Quality Specialist* 08/2012 - 09/2017

Proposed equipment and procedural changes resulting in a 25% boost in data accuracy.

Education

Full-Stack Engineering Certification (3.7 GPA) - University of Arizona; Gilbert, AZ
Bachelor of Science in Chemistry (3.5 GPA) - Northern Arizona University; Flagstaff, AZ