

Michael Williams

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Github.com/mawil583 | mawil583.github.io/Bootstrap-Portfolio/index.html

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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

Projects

EventWeather - Played the role of Team Lead 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. Deployed site: <https://mawil583.github.io/Project-1/>. Github: <https://github.com/mawil583/Project-1>

PennyPincher – Played the role of Team Lead in this project as well. Created a budget/expense-tracker app where the user enters in a monthly budget, and adds expenses. It used Chart.js to display the user's budget and portray how closely they are adhering to it. Incorporated API's using node.js/express, and used a template engine, Handlebars, to display variables to the DOM. Our database used SQL along with MySQL Workbench and Sequelize ORM. Deployed site: <https://shielded-tor-95793.herokuapp.com/chart>. Github: <https://github.com/mawil583/Project-2>

Coursework

Trivia Game- Played the role of sole developer. Incorporated heavy use of JavaScript timing functions in conjunction with jQuery to create a trivia game that displays a meme corresponding to the correct answer and a different meme for when the answer timed-out or was incorrect. Deployed site: <https://mawil583.github.io/TriviaGame/index.html>. Github: <https://github.com/mawil583/TriviaGame>.

StarWars RPG- Played the role of sole developer. This app showcased more advanced jQuery methods for moving icons around the screen depending on who the player was and who the enemy was, as well as for creating HTML elements that housed the icon title, picture, and a variable corresponding to health points. Deployed site: <https://mawil583.github.io/unit-4-game/>. Github: <https://github.com/mawil583/unit-4-game>.

Train-Scheduler – Played the role of sole developer. This app was used to display a train schedule showing the train name, destination, frequency of arrival, time of arrival and number of minutes till the next train arrives. This required advanced timing functions for which the JavaScript library moment.js was used. Added additional functionality so that the user can enter a new train. Deployed site: <https://mawil583.github.io/Train-Scheduler/>. Github: <https://github.com/mawil583/Train-Scheduler>.

Experience

Healthy Solutions; Scottsdale, AZ

09/2018- 01/2019

Chemist

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

8/2012 – 9/2017

Water Quality Specialist

Sole dedicated lab professional who oversaw all laboratory operations including but not limited to operating, maintaining and troubleshooting complex analytical lab instrumentation, managing chemical inventory program, trending of analytical data, and effectively communicating findings to operators and managers to ensure high quality, potable water.

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

Education

Full-Stack Engineering Certification - University of Arizona; Gilbert, AZ

Bachelor of Science in Chemistry - Northern Arizona University; Flagstaff, AZ