

Michael Williams

Phoenix, AZ 85086 • (602) 448-5588

[Github.com/mawil583](https://github.com/mawil583) • mawil583.github.io/Bootstrap-Portfolio/index.html

Mwilliams2964@email.com • linkedin.com/in/michael-williams-1b0a1535/

Skills

JavaScript (ES6)

HTML5

MongoDB

CSS3

Terminal/Git

SQL/Sequelize

Node.js/Express

Bootstrap

MVC

jQuery

NPM

React

Experience

University of Arizona, Gilbert, AZ

Full-Stack Developer, 09/2019-Present

Projects:

1. EventWeather - I played the role of Team Lead in a group of 4 people. We 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. It used API's from DarkSky, Eventful, and OpenCage and we used the Algolia Places autofill library to improve the user experience.
2. PennyPincher – I played the role of Team Lead in this project as well. The second project was a budget/expense-tracker app where the user can enter in a monthly budget, and add expenses. It used Chart.js to display the user's budget and portray how closely they are adhering to it. We also created our own 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.

Coursework:

- Trivia Game- I played the role of sole developer. I made heavy use of JavaScript timing functions in conjunction with jQuery to create a trivia game that incorporates a meme corresponding to the correct answer and a different meme for when the answer timed-out or was incorrect.
- StarWars RPG- I played the role of sole developer. This app showcased more advanced jQuery methods for moving icons around the screen depending on who your player was and who you were attacking, as well as for creating HTML elements that housed the icon title, picture, and a variable corresponding to health points.
- Train-Scheduler – I played the role of sole developer. This app is used to display a train schedule displaying the train name, destination, frequency of arrival, time of arrival and number of minutes till the next train arrives. This required some advanced timing functions for which I used the JavaScript library moment.js. I also added additional functionality so that the user can enter a new train.

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 8/2012 – 9/2017

I was the one 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.

Education

Chemistry, Graduation Year (2011), Northern Arizona University, Flagstaff AZ

GPA: 3.5