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BSIS 4B

PROFE8

Certificate 4

Verifiable linked: <https://www.freecodecamp.org/certification/fcc441fc66c-4cb0-4d57-bf6f-b272ee14d3e2/data-visualization>

Data Visualization

Course Content:

Data Visualization with D3

* Add Document Elements with D3
* Select a Group of Elements with D3
* Work with Dynamic Data in D3
* Add Inline Styling to Elements
* Change Styles Based on Data
* Add Classes with D3
* Update the Height of an Element Dynamically
* Change the Presentation of a Bar Chart
* Learn About SVG in D3
* Display Shapes with SVG
* Create a Bar for Each Data Point in the Set
* Dynamically Set the Coordinates for Each Bar
* Dynamically Change the Height of Each Bar
* Add Labels to SVG Elements
* Change the Color of an SVG Element
* Add a Tooltip to a D3 Element
* Add a Hover Effect to a D3 Element
* Create a Scatterplot with SVG
* Add Attributes to the Circle Elements
* Create a Linear Scale for Plot Circles
* Set a Domain and a Range on a Scale
* Use a Dataset and .d3.min Functions to Find Minimum and Maximum Values in a Dataset
* Use Dynamic Scales
* Add a Pre-Bundled Data to Place Elements
* Add a Visualization

JSON APIs and AJAX

* Handle Click Events with JavaScript using the onclick property
* Change Text with click Events
* Get JSON with the JavaScript XMLHttpRequest Method
* Get JSON with the JavaScript fetch method
* Access the JSON Data from an API
* Convert JSON Data to HTML
* Render Images from Data Sources
* Pre-filter JSON to Get the Data You Need
* Get Geolocation Data to Find A User's GPS Coordinates
* Post Data with the JavaScript XMLHttpRequest Method

