

Alexander Alford

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A former hobbyist turned web developer. I am eager for new challenges in web design and development.

CERTIFICATES

Udemy

The Complete 2021 Web Development Bootcamp



- Extensive work creating interactive front-end web applications with the react framework along with Bootstrap styling and functionality.
 - Thorough experience with SQL and NoSQL databases with projects involving MySQL and MongoDB.
 - Fully encompassing javascript education with projects involving both front-end work with API's and JQuery, along with back-end construction with Node.js, MongoDB, Express, and EJS.
 - Several projects involved usage of infrastructure services such as Heroku for app hosting and MongoDB Atlas for database hosting.
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PROJECTS

Mock Retailer Website

Technologies: React, MongoDB Atlas, Bootstrap, Heroku

- Contains a dynamic UI created with Bootstrap styling and React components, hooks, and states.
- Mongo DB Atlas provides JSON data that the api can query from and that the client can receive from the api endpoint as loaded products on their webpage.
- The application is deployed as a live demo on Heroku that anyone can test.

Alexalford.net

Technologies: HTML5, CSS, Javascript ES6

- Written in pure HTML, CSS, and Javascript, the website uses no frameworks or API's and serves as my professional portfolio website with links to my Github and LinkedIn accounts.
- Responsive styling adjusts to different screen resolutions with changing button, text, and content box sizes, in addition to layout changes.
- Interactive demos of listed projects are provided along with descriptions of the projects.

Atomic Simulator

Technologies: Python, VPython, GlowScript

- A relatively small script that simulates the physics of an atom. Uses the VPython module and provides a 3D graphics interface along with graphing functionality.
 - Written in Python and then transcribed to Javascript with RapydScript and GlowScript. It can easily be embedded and ran in the browser.
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EDUCATION

University of California San Diego

- 2 Years of education in a biochemistry/cellular biology major



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