Alex Alford

Full Stack Developer

Personal Info

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Phone

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E-mail

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LinkedIn

linkedin.com/in/alexanderralford/

Portfolio

alexalford.net

Github

github.com/Alexander-Alford

Skills

Javascript

Excellent

React

Excellent

HTML

Excellent

CSS

Excellent

Python

Very Good

Git

Very Good

Scripting

Very Good

C#

Very Good

SQL

Good

Technical Full Stack Developer with experience in front-end UI/UX design, web application development, and software engineering. With experience as a web developer and designer, I am ready to bring my passion and knowledge to the next challenge.

Experience

National University

Web Designer & Developer II | 2022 - present

Technologies: HTML, CSS, JavaScript, C#

National University was my first professional job as a web designer/developer and has allowed me to grow enormously in knowledge and ability in web design. I now feel that I am ready to tackle more challenges and larger projects.

- Edited a dozen different NU websites, fixing bugs and completing dozens of tickets per site while following Agile methodology with my team.
- Worked on a few larger projects with senior web developers where we would collaborate to solve issues and meet deadlines.
- Massively improved personal knowledge in implementing accessible, scalable, and responsive websites and making them mobile friendly.

SERVE, Inc.

Web Master/Full Stack Developer | 2023 - present

SERVE, Inc. is a local charity that, after volunteering at for some time, I was hired to manage the company websites. Being the sole tech lead, I help design, update, and maintain websites and their architecture.

- Completely recreated Weebly website in HTML, CSS, and Javascript for increased creative and administrative control.
- Working with department heads to pursue further development of web applications.
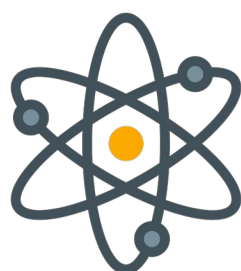
alexalford.net

Technologies: HTML, CSS, Javascript, RESTful

Personal brand portfolio with links to project demos, Github, LinkedIn and resume.

- Responsive styling adjusts to different resolutions with changing button, text, and content box sizes.
- Optimized user experience with interactive in-browser project demos.
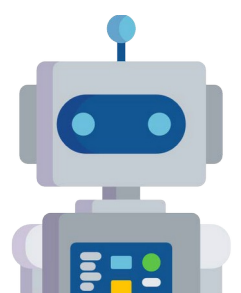
Atom Physics Simulator

Technologies: Python, VPython, GlowScript, AJAX

Python application that simulates and graphs the physics of an atom

- Scripted in Python, it uses the VPython module to provide a 3D graphics interface along with graphing functionality.
- Transcribed to Javascript with RapydScript and GlowScript for embedding and running in browser.

Robowars: A 2D Game Engine

Technologies: C, SDL, Git, SASS

Fully functioning 2D platform game engine written in C, utilizing SDL libraries.

- Map collision detection handled through custom C algorithms.
- Coded to handle user input, playing sounds, performing game logic and rendering of graphics.
- Enemy units coded as C objects that can be changed and directed around map.

Certificates

Jul 2021

Udemy - The Complete 2021 Web Development Bootcamp

Technologies: React, Bootstrap, SQL, APIs, Jquery, Javascript, HTML, CSS

- Programmed interactive front-end web applications with the React framework alongside Bootstrap styling and functionality.
- Interacted with SQL and NoSQL databases, with projects involving MySQL and MongoDB.
- Built front-end projects utilizing both APIs and Jquery, alongside back-end Node.js, MongoDB, Express, and EJS.
- Applied infrastructure services such as Heroku for app hosting and MongoDB Atlas for database hosting.

Nov 2020

freeCodeCamp - Javascript Algorithms and Data Structures

Nov 2020

freeCodeCamp - Responsive Web Design

Education

Jan 2017 - Jan 2019

University of California San Diego

- 2 Years completed in biochemistry/cellular biology