ALEXANDER BUI

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WORK EXPERIENCE

HUNTINGTON INGALLS IT INTERN | 2022 SUMMER

Tasked to develop a front-end for a dashboard metrics employee app with flexible requirements. I was also tasked to contact partnered businesses to obtain budgetary annual estimates to keep track of software costs. I surveyed employees to identify if they were still using certain software for development to cut down on wasted costs. Shadowed various meetings of different software development and business relationship topics. Learned about software development processes and business relationship management, while also practicing my interpersonal communication skills with other businesses and employees.

PROJECTS

DASHBOARD METRICS WEBSITE | FRONT-END | 2022 | INTERN INGALLS

A front-end dashboard metrics employee app created using JavaScript, React, Tailwind, and Syncfusion. Explored React methods and other libraries that are useful for front-end web development. Learned how Tailwind can be used to make page stylization more efficient and precise. Used Syncfusion React library to implement graphs with fake data.

Technologies used: React.js, Tailwind, Syncfusion, HTML, JavaScript

TERMINAL PORTFOLIO WEBSITE | FULL-STACK | 2022 | PERSONAL

An interactive website that I developed in my free time to showcase my coding projects as well as also having functionalities to portray professional information about myself. Expressed creative freedom with the UI/UX design due to it being a project I decided to work on with no guidelines. Learned basic Node and Express back-end methods, used AWS to deploy this web application with Elastic Beanstalk.

Technologies: JavaScript, Node.js, Express, Amazon Web Services, WinBox

POKEDEX API WEB APP | 2022 | PERSONAL

React web app I built to fetch API data while using CRUD techniques to display information retrieved from that data on the website. An idea I wanted to execute to further my knowledge about RESTful API methods. Coded map functions for nested JSON data and practiced mounting/unmounting DOM elements.

Technologies: React.js, Tailwind, Axios, RESTful API, JSON

AGECON BUDGET CALCULATOR WEBSITE | FRONT-END | 2022 | CLASSWORK

Senior project collaboration with MSU Agricultural Economy division that focused on boosting farmers time efficiency when calculating personal yearly budget. Lead programmer and CSS stylizer for the front-end of the website. Practiced communicating with stakeholders and understanding their visions while also explaining to them about software limitations.

Technologies used: HTML, CSS, JavaScript, postgreSQL, Git

BOOK STORE GROUP PROJECT 2021 | CLASSWORK

Created a command line bookstore with functionalities consisting of user login, editing personal info, viewing items, adding items to cart, removing items from cart, check out, viewing purchase history, and deleting account. Practiced creating database tables and SQL queries to fetch data for user authentication and error checking.

Technologies used: Python, mySQL

EDUCATION

MISSISSIPPI STATE UNIVERSITY | 2018 - 2022

Bachelor of Science: Software Engineering | GPA 3.39/4.00

Coursework: Algorithms, Data Structures and Analysis of Algorithms, Discrete Structures, Database Management

THE ODIN PROJECT ONLINE BOOTCAMP | 2021 SUMMER

Completed an open-source coding curriculum called The Odin Project which provides a more hands-on experience with web development, allowing me to gain experience on how to start software projects on my own.

Technical Skills Learned: HTML & Browser Dev tools, CSS Flexbox & Grid, JavaScript DOM manipulation, Objects & Object Constructors, and Active listeners, GitHub repositories & branches, and git commands.

SKILLS | MISCELLANEOUS

Hard Skills: HTML, CSS, JavaScript, PHP, Python, SQL, React.js, Tailwind, C++, OOP, Git, Dev Tools, Node.js, Express, AWS

Soft Skills: Growth Mindset, Creativity, Critical Thinking, Time Management, Interpersonal Communication