

Zachary Salvaggio

Software Engineer

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EDUCATION

University of Southern Mississippi – BS, Computer Science

August 2019 - May 2023, GPA: 3.7

SKILLS

- **Programming Languages:** JavaScript, Java, C++, C#, Python, HTML, CSS
- **Frameworks and Databases:** React, NodeJS, MySQL, MongoDB
- **Relevant Courses:** Data Structures, Algorithms, Intro to AI, Operating Systems, DBMS Design, OOP, Web Server Programming, Software Design, Human Computer Interaction

PROJECTS

Book Store Application

- Developed a full stack **MERN** application for users to add, view and explore different books
- Created a Rest API and implemented CRUD operations with Node, Express, and MongoDB
- Designed a modern front-end with React with use of various hooks and Axios for accessing back-end

Car Dealership Application

- Designed and engineered a full stack **WAMP** application for users to view the inventory of dealerships
- Developed a C++ program to generate various amounts of random data for MySQL database
- Utilized PHP to fetch information from database and display results to customers
- Designed a modern website with HTML and CSS for users to view information on local dealerships

Realtime Weather Application

- Created a web application that allows users to view an overview or in-depth weather information from selected locations around the world with a fluent and responsive design
- Integrated OpenWeatherMap API to dynamically fetch weather information in JavaScript

Tetris and Chess Games

- Designed and engineered all game logic from scratch in Python following OOP principles
- Utilized Pygame library for rendering graphics
- Implemented Stockfish API for playing against the computer option