Charles Z. Sherwood

charlessherwood98@gmail.com | (904) 742-8618 | https://github.com/csherwood98
www.linkedin.com/in/charles-sherwood | https://charles-sherwood.com/

Summary

Experienced full stack software developer with background in object-oriented programming, web development, and data management. Currently holds a Bachelors in Chinese Language and Political Science from the University of Florida, as well as a Certification in Software Engineering from TrueCoders Academy of Birmingham, Alabama.

Skills

C#, .NET Framework, ASP.NET MVC, Windows Forms, Blazor, MySQL, Git, GitHub, HTML, CSS, Javascript, Bootstrap, Python, JSON, CSV, Visual Studio Code, Visual Studio 2019, Microsoft Office, Windows OS

Education

Bachelor of Arts in Chinese and Political Science   May 2020
University of Florida, Gainesville, FL
Minors: History, Teaching English as a Second Language
GPA: 3.96/4.00

Certification in Software Engineering   March 2021
TrueCoders Academy, Birmingham, AL
Created in-depth projects scaling from desktop applications to web forms and web applications. Worked with teams to find solutions to business/consumer problems through software development.

Software Development Experience

Blazor Todo List Website:
C# | .Net Framework | Blazor | Razor Pages | Microsoft SQL Server | HTML | CSS | JavaScript | Dapper

- Used Blazor pages with the Blazored.Modal package to create a modern one-page dynamic website for task management.
- Implemented CRUD operations to create, delete, edit, and display tasks and associated subtasks.
- Implemented an SQL database on Microsoft SQL server with stored procedures to allow for more flexible database queries.
- Used HTML, CSS, JavaScript and Bootstrap to display task information and CRUD operations in a sleek, meaningful manner.

Software Development Experience

Tournament Tracker:

C# | .Net Framework | Windows Forms | MySQL | Dapper | CSV

- Created a windows form application for creating and tracking the progress of multiple tournaments.
- Created models to represent tournaments, tournament rounds, prizes, teams and associated team members in C#.
- Implemented CRUD operations to allow users to create, update, view and delete tournaments and associated data.
- Implemented both MySQL and text file connections to store all data in a MySQL database and a collection of .csv files with easy conversion between the two options.

BestBuy SQL Database Management Program

C# | .Net Framework | ASP.Net MVC | MySQL | Dapper | JSON

- Created an SQL database in MySQL to represent fictional data for a Best Buy store.
- Implemented a repository pattern to isolate data access logic and business logic in order to allow for a loosely coupled approach to data access for the database.
- Implemented an ASP.Net MVC application allowing for all CRUD operations to be done on the database through an easy-to-understand user interface.
- Linked the ASP.Net application to the Best Buy database with Dapper and a JSON file storing connection information.

Taco Bell Geolocation Distance Compiler

C# | .Net Framework | GeoCoordinate Package | xUnit Package | CSV

- Uses a CSV file or an SQL database to populate an IEnumerable of Taco Bell locations.
- Implemented the GeoCoordinate package to read and organize coordinate data parsed from data on Taco Bell locations according to distance.
- Test Driven Development with the xUnit package to ensure data is parsed correctly and invalid or missing data is handled correctly.