**Charles Z. Sherwood**

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**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.