Dana Patrick

C# Developer

Ohio

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**SUMMARY**

A self-motivated and talented developer with a strong training background and ability to think through and figure out solutions to programming problems through having a knowledge of programming in .NET, C#, ASP.NET, JavaScript, and SQL.

**SKILLS**

* C#
* SQL
* Asp.Net Core MVC
* Git
* Visual Studio
* LINQ
* API’S
* JSON
* JavaScript
* HTML
* CSS
* Test Driven Development

**PROJECTS**

**Taco Parser**

* Successfully utilized C# to parse Taco Bell locations across the country in order to find the two locations that are farthest apart.
* Implemented a robust parsing algorithm to extract Taco Bell locations from a given dataset
* Utilized geocoordinates to calculate the distances between different Taco Bell locations
* Employed test-driven development techniques to ensure the accuracy and reliability of the parsing and distance calculation functionality
* Created unit tests to validate the correctness of the implemented features and maintain code quality

*Technologies:*

* C#, .Net, Unit Testing, Test Driven Development, Geocoordinates

**Medieval Text Based Adventure Game**

2023

* Undertook the development of a captivating text-based adventure game using C# leveraging object-oriented programming(OOP) principles, such as classes, methods, and loops, inheritance and more to create an immersive and interactive gaming experience
* Designed and implemented the core game engine using C# to handle player input, mange game states, and facilitate gameplay mechanics
* Developed various game components as classes, such as characters, items, and battle scenarios to encapsulate their respective behaviors and attributes
* Implemented methods within classes to handle actions, interactions, and decision-making logic based on player input
* Created engaging storylines and dynamic game scenarios to keep players entertained and immersed in the game world.

*Technologies:*

* C#, Object-Oriented Programming (OOP), Visual Studio.

**OpenWeatherMap API – Weather Forecast**

2023

* Created a Console Application to retrieve the current weather forecast using OpenWeatherMap API.
* Utilize the OpenWeatherMap API to fetch weather data for a specified city.
* Integrated the NewtsonSoft.Json NuGet package to parse and handle JSON responses
* Implemented functionality to display the current general weather description as well as temperature and windspeed.
* *Technologies:*
* C#, .NET, API’s, JSON – NuGet, Console Applications

**EDUCATION**

**TrueCoders Advanced Technical Training***- Software Engineering*

2023

* Project-based training in programming languages and other technical skills, such as SQL, C#, .NET Core, Git, ASP.NET MVC, HTML, CSS, and JavaScript
* Skills were developed by building multiple C# and SQL projects in Visual Studio and Visual Studio Code.
* C# and SQL Projects were tracked in Git and GitHub for source control

**Northern Kentucky University-***Master’s of Science - Industrial Organizational Psychology*

2017 - 2019

**Wright State University-***Bachelor’s of Science - Psychology*

2014 - 2016