Baines A. Deal

LinkedIn ◇ **GitHub** ◇ **CodeWars**

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Education

True Coders — *Advanced Technical Training* — May 2022 - July 2022

The TrueCoders training program is a project and lecture-based training program that aims to fill the growing need for data science and software development jobs in Alabama. Projects include multiple personal and group-oriented tasks that involve multiple programming languages over the course of the program.

- Intensive project-based training in programming languages and other technical skills, such as C#, .NET Core, SQL, Git, ASP.NET MVC, HTML, CSS, and JavaScript.
- Developed skills using multiple C# and SQL Projects
- Created remote repositories and tracked changes made to projects using Git and GitHub for source control

  View Certificate

Technical Projects

Blazor Server Site - *Razor Pages | Microsoft Graph | Azure AD*

Blazor Server Side Framework used to create a project that demonstrates the functionality of Microsoft Graph and allows for CRUD operations to be used with a MySQL Database.

Project Highlights

- Simulates a employee facing / internal website which could be used by employees as a workspace
- Includes features from Microsoft Graph to demonstrate ways to better manage and organize teams
- Use of Azure AD and Microsoft Graph to provide authentication functionality which allows users to actively see the information linked to their respective Microsoft accounts OneDrive

CRUD BestBuy Database Site — *C# | SQL | ASP.Net MVC | HTML*

ASP.NET MVC Framework used to create a project that allows for CRUD operations to be used with a MySQL Database.

Project Highlights

- Worked with Mock Data from MySQL schema representing products, sales, employees, and reviews for Best Buy.
- Utilized Dapper to query the data received from the database.
- Created functionality for INSERT, SELECT, UPDATE, AND DELETE to be utilized for accessing/altering the data stored in MySQL database.

My Google Drive

- **Project Videos**
- **Project Images**

Languages

- **C#**
- **SQL**
- **JavaScript**
- **HTML**
- **CSS**
- **Ruby**

Technologies

- **ASP.Net MVC**
- **.NET Core**
- **MySQL**
- **Dapper ORM**
- **RestAPI**
- **React**
- **Blazor Server and Webassembly**
- **Microsoft Graph API**
- **Azure AD**
- **Ruby on Rails**
- **Entity ORM**
- **Linux**

Skills

- **Test Driven Development**
- **Dependency Injection**
- **Object-Oriented Design**
- **Time Management**
- **Critical Thinking**
- **Problem Solving**
- **Team Player**
- **Strong Communicator**

Certificates

- **TrueCoders Full-Stack Software Engineer**
- **C# Fundamentals**
- **SQL Fundamentals**

Weather By Location — *C# | SQL | .NET Core | API*

C# .NET Core Application where I obtain Mock Data to create a MySQL Database to store locations in the United States. The locations are then used to obtain the current weather information from the Open Weather Map API.

Project Highlights

- Created a MySQL Database using Mock Data.
- Utilized Dapper to query results from MySQL.
- Parsed JSON Objects from the Open Weather Map API.
- Presented current weather for a location selected from MySQL Database.

Taco Parser — *C# | .NET Core | xUnit | Geolocator*

C# .NET Core Application where I parse data from a csv file to reference Taco Bell Locations. That data is then used to calculate the distance between the two locations that are farthest apart.

Project Highlights

- Utilized xUnit to create unit tests for Test Driven Development.
- Parsed CSV data to create TacoBell Locations.
- Utilized Linq to efficiently parse the data.
- Created logic to assist in a real world situation.

  View [Project Outline](#) | [Video Review](#) | [GitHub Repo](#)

Kanye Vs. Ron — *C# | .NET Core | Multiple APIs | JSON*

C# .Net Core Application where I use two different APIs to obtain quotes from Kanye West as JSON Objects, and quotes from Ron Swanson as JSON Arrays. The quotes are then used to simulate a conversation between the two.

Project Highlights

- Obtained data from two separate APIs.
- Worked with both JSON Objects and JSON Arrays.
- Combined results from APIs to simulate a conversation.
- Presented results in a clean format for the user.

Highest Education

University of Alabama at Birmingham - *Masters in Secondary Ed.*
Fall 2017 - Fall 2019

Previous Employment

General Science and Social Studies Teacher - *Hueytown High School*
Fall 2019 - Fall 2022