

# Justus Montgomery

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## Software Developer

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### Summary

Experienced full stack software developer with a diverse background in object-oriented programming and web development. Currently holds a Bachelor's of Business, with minors in Administration and Marketing Communications & Technology from the University of North Alabama, as well as a Certification in Software Engineering from TrueCoders Academy of Huntsville, Alabama.

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### Skills

C#, ASP.NET MVC, .NET Framework, NuGet package Manager, MySQL, Git, GitHub, HTML, CSS, JavaScript, Node.JS, NPM (Node Package Manager), Python, JSON, CSV, PIP (Package Installer for Python), Visual Studio Code, Visual Studio 2019, Slack, Microsoft Office, Windows OS, Mac OS, Pro Tools, Studio One, iMovie

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### Education

#### TrueCoders Academy – Huntsville, Alabama

August 2020 – October 2020

Certification in Software Development, Web Development

- Class Discord server creator/owner/admin
- Class GitHub Repository admin

#### University of North Alabama – Florence, Alabama

August 2013 – May 2018

Bachelors of Science: Business (Entertainment focused)

Minors: Business Administration, Marketing Communications & Technology

- Phi Kappa Phi Honor Society, 2016
- Dean's List, 2013 - 2016
- GPA: 3.39
- Kappa Sigma Fraternity (Secretary)

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## Experience

### **CRUD SQL Database Management Program**

**.NET Framework | C# | Console Application (.NET Core) | MySQL | Dapper Pkg | JSON | Git | GitHub**

(Designed to create, delete, read, and update info to a particular database, on this case is a sample database I created)

- Creating a connection path to a localhost for a database with fictional data for Best Buy.
- Allows the user to make any changes to data needed without using the MySQL Workbench
- Can be integrated into other applications to provide data and create it to and from the UI or controller
- Created an organized file structure for ease of access and understanding for other developers, as well as summaries for all custom classes and methods.
- Made use of Dapper for MySQL and JSON files to establish connection to the database.

### **Geolocation Distance Compiler**

**C# | .Net Framework | Console APP (.NET Core) | GeoCordinate Pkg | XUnit Pkg | CSV | Git | GitHub**

(Reads a CSV file with coordinates to every Taco Bell in Alabama, and returns to the user the 2 locations that are furthest away from one another)

- Created Unit tests with the XUnit package to checkout custom Parsing method for accuracy.
- Implemented the GeoCordinate package to read and organize coordinate data according to distance.
- Implemented an Interface to apply attributes to a child class that eventually becomes the main object that holds all the attributes for every Taco Bell location.
- Created a custom value type using a structure named "Point" that holds a double value type for latitude and longitude values to pass into the ITrackable interface.
- Created nested for loops to enumerate over each location points in a parsed array while comparing them to all other arrays' locations, then replaces the value in a variable that holds the location of the furthest distance from the origin location within the first loop.
- Used string interpolation to present the two furthest locations including city name, longitude, and latitude.

### **CRUD Note Taking Program:**

**C# | .NET Framework | Windows Form Application (.NET Core) | Git | GitHub**

(This program allows the user to write notes into a textbox, include a title, and save the notes into a data grid table. Allows the user to load past notes as well as delete or update past notes – all in a user-friendly UI)

- Created a simple organized UI with Windows Forms for input of information. Included 4 buttons: New, Save, Load, Delete - each manipulating the data array holding the titles and bodies to past saved notes.
- Created a data grid table to organize the notes by title name. Each note entry is selectable to use with the load and delete functions.

### **Example Blog Page:**

**HTML | CSS | jQuery | Bootstrap | Git | GitHub**

(An example Blog page with a simple organized design)

- Created a navigation panel for future implementation of new pages under the website.
- Created an articles section to show blog titles and body in succession, as well as a like button to use for future functionality.
- Resizable to efficiently fit in smaller screens such as a cell phone or tablet.