

JONATHAN GILMER

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EDUCATION:

FULL-STACK SOFTWARE ENGINEERING BOOTCAMP

TrueCoders — Certified for completing 500+ hours of intensive lectures, personal and group project-based training in technologies such as: C#, SQL, JavaScript, .NET Core, APIs, JSON, ORMs, Unit Testing, ASP.NET Core MVC, HTML, CSS, and Git.

M.F.A. MUSIC COMPOSITION FOR THE SCREEN **Columbia College Chicago**

B.M. COMPOSITION & MUSIC TECHNOLOGIES **LaGrange College**

PROJECTS:

**To view project demonstration videos, please visit:* youtube.com/playlist?list=PLsbQhp3fEtCoFfqS0zZEE4RowFICn73N

ANIME ANALYTICS — ASP.NET Core MVC | C# | API | JSON | CSS | HTML

Web application providing thousands of pages of anime information and recommendations

- Built using C# on ASP.NET Core MVC framework with Visual Studios 2019 (Mac)
- Instantiated and configured HTTPRequestMessages to Asynchronously obtain data from multiple Rapid API endpoints employing user input as a URI parameter
- Utilized Newtonsoft to deserialize JSON Array data obtained from APIs and store said data in new Model instances
- Displayed user-requested information using Views with Razor syntax, embedded CSS, and HTML 5
- Constructed thousands of web pages by using a modifiable View equipped with HTML ActionLink methods and C# loops that update data based on user actions

BEST BUY MVC DATABASE — ASP.NET Core MVC | C# | SQL | Dapper | HTML

A web application granting users the ability to simulate managing the inventory database of a Best Buy store

- Created using C# on ASP.NET Core MVC framework and Dapper ORM within Visual Studios 2019 (Mac) and SQL database built using MySQL Workbench
- Utilized Dapper's Query/Execute methods within Visual Studios to perform Select, Insert, Update, and Delete queries to the MySQL database
- Used HTML forms to trigger Controller actions and Views with Razor syntax to display database information

TACO PARSER — C# | .NET Core | LINQ | xUnit

A console application that compares a list of coordinates and returns the 2 with the greatest distance between them

- Demonstrated Test-Driven Development by using xUnit to develop unit tests with Arrange/Act/Assert pattern
- Parsed .CSV file data using a combination of C#/LINQ ReadAllLines, Split, and Select methods
- Implemented GeoCoordinate class in conjunction with C# "For" loops to cycle through coordinates and compare the distances between locations
- Established a scalable application by conforming custom classes to the ITrackable interface

ZOO API — C# | .NET Core | SQL | Dapper

A custom web API that supports a SQL database featuring zoo animals and their various details

- Built with ASP.NET Core and C#, within Visual Studios 2019 (Mac)
- Created a new database by importing .CSV files within MySQL Workbench
- Supported a multi-origin CORS configuration and full CRUD (Create, Read, Update, Delete) functionality by using Dapper to map to MySQL database
- Tested CRUD functionality by using Postman to create new requests and configure their bodies/headers

PORTFOLIO WEBSITE | HTML | CSS | JavaScript | Photoshop

A modern webpage built to display notable portfolio projects

- Created with HTML 5, CSS with Bootstrap, and VS Code v1.66 as the IDE
- Inserted drawbar/header movement using JavaScript jQuery scrollTop and Click methods
- Used Photoshop to create and customize .JPG images and create vector art