Amoriss Mallett

Software Developer

amoriss@protonmail.com

GitHub | **Codewars** | **C# Certification** | **Video Presentations**

EXPERIENCE

TrueCoders, Remote — *Instructor*

2022 - 2024

- Created presentations, slides, graphs, and educational games to enhance student comprehension.
- Led C# and software development classes, mentoring students through complex concepts.
- Developed course materials and hands-on projects aligned with industry standards.
- Provided individualized support to help students overcome challenges and achieve their goals.

TrueCoders, Remote— *Teacher's Assistant*

2021- 2022

- Assisted in teaching C# and software development, collaborating with the lead instructor.
- Guided students during lab sessions, helping them apply theoretical knowledge practically.
- Facilitated group discussions and exercises to encourage collaborative learning

PROJECTS

Reservation Management System - *Table Booking App*

- Developed a table booking app with a sleek Bootstrap UI.
- Implemented features for reservation management and user input validation using Dapper ORM.

CityBike API - *Location Viewer*

- Created an ASP.NET Core MVC app to display bike-sharing locations via the CityBike API.
- Retrieved, deserialized, and filtered API data to present city names and e-bike availability.

Disney API- *Character Explorer*

SKILLS AND TECHNOLOGIES

Programming Languages: C#, SQL, HTML, JavaScript, CSS

Frameworks & Tools: ASP.NET MVC, Visual Studio, JetBrains Rider, xUnit, Bootstrap, API integration, Postman

Development Methodologies: Test Driven Development (TDD), Agile

Version Control: Git, GitHub

Databases: MySQL, Dapper

Design Tools: Canva

RELEVANT COLLEGE COURSES

Discrete Math

Programming Fundamentals I (Python)

Programming Fundamentals II (C++)

Computer Organization and Machine Language (MIPS assembly language)

Data Structures (C++)

Computer Ethics

Technical Writing

- Developed an ASP.NET Core MVC app to explore Disney character data.
- Implemented pagination and dynamic display of character images and details.

Kanye REST – *Conversation Simulator*

- Built a C# conversation simulator between two RESTful APIs.
- Parsed JSON objects to simulate a dialogue between APIs.

TacoParser — *Geolocation Application*

- Parsed CSV data to locate Taco Bell branches and calculate distances using GeoCoordinate.
- Used TDD to ensure accurate location data.

BestBuy Data Management System – *Product and Departments Manager*

- Created a console app with Dapper ORM for managing product and department data.
- Enabled retrieval, display, and creation of products and departments using MySQL.

Text Adventure – *Chef's Challenge*

- Developed a C# text adventure game where players manage a three-course meal.
- Implemented branching scenarios and decision-making elements affecting game outcomes.

OpenWeather API – *Console Application*

- Built a console app to fetch and display weather data using the OpenWeatherMap API and HttpClient, and asynchronous methods for efficient data retrieval.
- Implemented modular design with separate classes for API requests and user input, improving maintainability.

REFERENCES

Michael Doyle, President, TrueCoders
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