

Zarsha Mian

Software Developer

+1 (631) 384-5198
zarshamian@gmail.com

Differentiators

The experiences that I have gained while working as a software developer have allowed me to not only adopt efficient coding practices, but also feel confident in my ability to learn and expose myself to unfamiliar programming languages, systems, and industries.

Along with knowledge and experience working in game, mobile, web, and software development, I also possess a desire to learn more and a curiosity that helps me to improve my skills and continue to grow as a coder.

Experience

Jan 2021 - Present
Domain
Tech
Role

Morgan Stanley - Software Development Consultant

Software Development Investment Banking Entitlements
Python Jupyter Notebook Visual Studio Code Linux Eclipse E3

Contribution

While working as a software development consultant on the Listed Sales and Trading team, I have written Python scripts that automate the retrieval and analysis of business entitlements. I have also created a KPI dashboard via Jupyter Notebook to track and evaluate the team's quarterly progress.

I continuously navigate the company's entitlements landscape in order to create Python scripts that automatically generate user access lists and entitlement breakdowns. I use E3, LDAP, and other access configurations, as well as collaborate with Morgan Stanley teams globally in order to make this logic extendable to fulfill similar client requests. In addition, I use Jupyter Notebook to create numerous reports displaying the team's key performance indicators in order to track activity progress using visuals and charts that are easy to understand.

Sept 2020 - Present
Domain
Tech
Role

Wiley Edge - Software Development Alumni

Software Development
C++ Visual Studio Code Github

Contribution

While in the Wiley Edge Alumni program, I have participated in a C++ cohort meant to enhance my technical and professional skills. I have also created various projects that demonstrate my proficiency in the C++ programming language.

During my time in the program, I exhibited understanding of C++ programming concepts like pointers and references, polymorphism, abstraction, dynamic memory allocation and memory management, templates, file streams, error handling, and documentation. I created many projects throughout the program as well, including a text-based adventure game called Journey to Her.

Jan 2019 - Aug 2020
Domain
Tech
Overview

DragonRuby LLP - Junior Developer

Game Design
Ruby DragonRuby Camtasia Emacs Xcode

During my time working for DragonRuby, I created numerous video tutorials and sample applications, as well as performed tasks to adapt the game A Dark Room to Nintendo Switch. The details of some of my projects can be found below.

Jan 2020 - June 2020
Domain
Tech
Overview

Junior Mobile Application Developer

Mobile Design
React Native Android Studio Emacs Xcode

During my time working as a mobile developer, I was mostly involved in front-end work, specifically relating to UI design. I was involved in UI and QA testing for the mobile application as well, and was responsible for helping the QA team set up the testing environment on their machines and ensuring they had all necessary resources to successfully complete their testing. I was also involved in fixing functional problems and bugs found during testing.

Jan 2020 - Mar 2020
Domain
Tech
Role

A Dark Room - Apprentice Programmer

Game Design
Ruby Emacs Nintendo

As an apprentice programmer, I was tasked with making visual and logical changes that were needed to adapt A Dark Room, one of Apple's Top Ten Apps of 2014, to the Nintendo Switch.

Contribution

During my time working on A Dark Room, I found and corrected multiple coding bugs, restored missing functionality, fixed and updated Japanese translations, updated navigation options, and made visual and aesthetic changes to the game's user interface to improve the game's experience.

Aug 2019 - Oct 2019
Domain
Tech
Background

DragonRuby Game Toolkit - Developer

Game Design
Ruby DragonRuby Xcode

In an effort to help programmers who are new to the Ruby language, dozens of sample applications are included in the DragonRuby Game Toolkit. Users can go through the code for these applications, manipulate them, and increase their understanding of the language.

Role

I reviewed the sample applications included in the DragonRuby Game Toolkit and included references of all APIs used and their functions, as well as examples explaining how to use each one. I also went through each sample application and provided comments explaining the purpose of each line or block of code.

Contribution

By going through the sample applications of the DragonRuby Game Toolkit and adding explanations for thousands of lines of code, I was able to make it easier for those introducing themselves to the Ruby programming language to better understand the function of all mentioned methods, APIs, and forms of syntax.

Jan 2019 - July 2019
Domain
Tech
Background

DragonRuby Game Toolkit / YouTube - Developer

Game Design Video Tutorials
Ruby DragonRuby Camtasia

The sample applications included in the DragonRuby Game Toolkit are provided in an attempt to help users who are new to the Ruby programming language gain exposure and insight into the typical syntax and logic of Ruby code.

Role

I created numerous video tutorials explaining the steps needed to recreate many of these sample applications step by step.

Contribution

The video tutorials that I created, which can be found in the DragonRuby Game Toolkit and on YouTube, were used to assist newcomers in learning and gaining proficiency in the Ruby programming language. Topics including arrays, combined functions, and loops were covered in these videos. Sample applications, like the recreation of the solar system, were covered in great detail.

Education

2015 - 2018

B.S., Computer Programming & Information Systems, Minor in Business Management, Farmingdale State College - New York

GPA - 3.8, Graduation - Jan 2019, President/Dean's List

Collegiate Coursework

Sept 2018 - Dec 2018
Domain
Tech

Android Mobile Application Development - Project Manager

Mobile Development
Java XML Android Studio

Sept 2018 - Dec 2018
Domain
Tech

C# Programming

Application Development
C# Visual Studio

Jan 2018 - June 2018
Domain
Tech

Programming in SQL

Data Normalization
SQL Oracle