

Miranda Auriemma

msa4295@rit.edu

Portfolio: <https://m.auriemma.com/>

732-703-2322

EDUCATION:

Rochester Institute of Technology, Rochester, NY

Master of Science in Game Design and Development

Expected May 2024

Bachelor of Science in Game Design and Development & Minor in Japanese

December 2021

SKILLS:

Programming: C#, C++, Python, JavaScript, SQL, HTML, CSS, PHP

Software: Visual Studio, Visual Studio Code, Unity, Unreal Engine 4, Autodesk Maya 2018

Frameworks: DirectX 11, DirectX 12, Entity Framework Core 2, LINQ, VueJS, BootstrapVue

Other: Git version control, Object-Oriented Programming, Windows Forms, Amazon Web Services (AWS)

EXPERIENCE:

EagleDream Technologies

Fairport, NY

Software Engineering Co-op

2019, 2020

- Developed an API with authentication within AWS that would receive a JSON payload and write it to a NoSQL database, using AWS Lambda, API Gateway, DynamoDB
- Implemented design changes to an existing website based on a design mockup using CSS, SASS, PHP
- Implemented data processing functions for a client as part of their migration to cloud infrastructure, using Python, AWS Lambda, DynamoDB, Simple Storage Service (S3)

3DRose

Jackson, NJ

Developer/Nighttime Processor

2016 - 2020

- Developed an app that uses the Sears API to pull orders from the Sears Marketplace into 3DRose's own database, to allow for processing and fulfillment of orders
- Developed an app on my own based on user input in C# Windows Forms to filter image submissions from artists based on criteria such as image type, resolution, dimensions, and filename
- Documented code for an existing program that had been under development for a year and a half with no documentation
- Performed overnight order processing to prepare production to start immediately every morning
- Trained multiple people on the nightly processing procedure

PROJECT HIGHLIGHTS :

Brave Magnet (Global Game Jam Team Project)

2022

- Created particle VFX with Niagara in Unreal Engine 4
- Coordinated a team of 7 students located in both the United States and Japan
- Assisted with bridging the team's Japanese/English language barrier
- Assisted team members with tasks, including those who were unfamiliar with Git

Unreal Engine 4 Raymarching Plugin (Ongoing Academic & Personal Project)

2021 - Present

- Designed a UE 4 plugin to allow people unfamiliar with graphics programming and raymarching math to define shapes
- Learned UE 4 plugin development from scratch through this project

PERSONAL INTERESTS:

Learning Japanese, crochet, and playing flute in the RIT Game Symphony Orchestra