

## **Delaney C. Farrell**

Katy, TX

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Curious and resourceful Digital Gaming and Simulation graduate seeking an entry-level role to leverage and further develop skills in software and game design while contributing to a team through creative thinking and problem-solving.

### **Computer Science and Programming Experience**

- **Designed** several programs in C++, C#, Java, and Python.
- **Implemented** knowledge of object-oriented programming to build systems such as player movement and inventory management in games using the Unity engine.
- **Worked** in teams to find solutions for engineering problems using programming languages like C++.
- **Applied** software engineering principles to projects to solve problems.
- **Learned** basic HTML and CSS for a couple of projects during university.
- **Utilized** GitHub to manage projects and programs.
- **Troubleshooted** and wrote test cases to programs I designed to find and remove bugs.
- **Applied** analytical thinking and attention to detail to create and use algorithms and data structures to solve problems.

### **Game and Level Design Experience**

- **Studied** level design and implementation in university.
- **Applied** several level design theories and ideas including pacing, rewards, and environmental cues to game projects made in Unity.
- **Practiced** programming with C# and game design in Unity to create working game mechanics.
- **Collaborated** with a team to design and build a horror game over a semester where my primary role was designing and 3D modeling the monster and props in the game as well as setting up the level environment in Unity.

### **Visual Design Experience**

- **Created** 2D sprites and animations to implement in games made in Unity.
- **Designed** a variety of characters and creatures using digital art programs such as Procreate.
- **Modeled** 3D objects and scenes for use in games using Blender.

### **Math Experience**

- **Developed** expertise in several high-level math disciplines including calculus I & II, discrete mathematics, linear algebra, and probability and statistics.
- **Accumulated** extensive experience programming and calculating equations and problems using MATLAB and Python to find solutions.

### **Business and Management Experience**

- **Led** a team while working in an intense fast-paced environment to provide quality products and interactions with guests over the phone and in person.
- **Displayed** time management skills and adaptability to constantly changing circumstances in work environment.
- **Trained** new staff members duties and roles for their positions.
- **Managed** transactions and money daily.
- **Ensured** product received by customers met company standards and that workspace and team members upheld safety standards and precautions.
- **Ran** and managed a small business on Etsy selling artwork created by myself.

### **Education**

**Bachelor of Science in Digital Gaming and Simulation**, Cum Laude, Awarded May 2023, University of Houston - Victoria, Victoria, TX.

### **Employment History**

**IT Support Assistant**, PERC Engineering, Sep 2022 - May 2023.

**To-Go Specialist, QA, and Host**, Chili's Bar and Grill, May 2016 - June 2021.