Graffiti - Augmented Reality

SCCA Photography Program & UW Department of Biology

Overview

We are creating an immersive art exhibition with the use of augmented reality. It is intended to be both educational and eye opening for people of all ages both in physical and virtual space. The topic of our exhibition will be exposing the beauty and true nature of common objects through the use of microscopy.

Microscopy is the examination of minute objects by means of a microscope, an instrument which provides an enlarged image of an object not visible to the naked eye.

Augmented Reality is still in its early stages of development, we feel that combining it with other visual elements in the physical space will be a successful way of exposing our viewers to the new technology in a manner that is still relatable and digestible. Most people know or have seen microscopic images before, whether it be through online social circles, in a classroom or through independent inquiry. However, the majority tend not to look further than what they stumble upon and we feel that this is an ideal opportunity to change that.

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1. The exhibition will be held in the photo studio at Seattle Central College.
2. The exhibition itself will occupy approximately half of the overall space.
Decision Points

1. Tommy enters with his guardian and goes to the booth first.
2. He turns, and walks around the corner to see what people are sitting and watching.
3. He sits down briefly to watch the video.
4. Then turns to his right to look at the first exhibit.
5. He walks along the South wall stopping to interact with the exhibits as he goes.
6. He then turns around and walks down the North wall towards the entrance.
7. After Tommy sees the last exhibit he leaves the exhibition.
Decision Points

1. Martha enters and ushers her kids towards the booth, she reads them the informative pamphlet.
2. The family then enters the exhibition space and make their way up the North wall.
3. They turn to the left and Martha walks across to the other side with the children.
4. Once they reach the South wall the kids start to get restless.
5. So Martha takes them to sit and watch the video while she prepares a snack before the family leaves.
Graffiti - AR

KIRK - User Paths

Decision Points
1. Kirk enters the exhibition and sees something cool in the back left of the space.
2. Next, he ventures back over to the North side and interacts with a couple of the exhibits.
3. His friend calls him back over to the other side of the room to look at something.
4. He and his friend walk down the South wall.
5. They then cross back over to see the last couple of exhibits they missed.
6. Tommy and his friends prepare to head out.
7. They stop at the booth on their way.
Graffiti - AR

Viewing Distances

Key
- View of Full Gallery
- View of NE Wall
- View of South Wall

Scale: 1/6" - 1'-0"
Graffiti - AR

Placement of Exhibition Pieces East & West

Key

1. Video Projection

Scale: 1/4" - 1'-0"
Graffiti - AR

Placement of Exhibition Pieces North & South

Key
1. Projection
2. Written Clues
3. AR Tracker
4. Written Answer

Scale: 1/4" - 1'-0"

NORTH WALL

SOUTH WALL
Graffiti - AR
AR Models - Sketches