

Daniel Seo
3/12/2024
CS 499: Computer Graphics
Dr. Yue Zhang

Assignment 1: Rendering

What Will You Use Computer Graphics Knowledge For?

- I'd like to find a job in the game development/simulation industry someday, so I feel that this knowledge will help me get my foot in the door.

Rendered Results:



In the image above, I rendered a scene that displays a Cornell Box with various objects of varying material types. I have a glass sphere on one box because I thought it would be interesting to see the way light and colors refracted through the sphere. I have a modified cone on another box that has pleated edges and has a metallic coating. And finally I have a floating plane of water that I created a simulation for. If you look closely, you'll notice that the surface of the water has holes and spots that don't have water covering, which is reflected in the shadows it produces. Also, I only have one area type light to illuminate the scene, which is placed at the center of the ceiling, and is set to 50W so that the scene isn't overly bright.