

1. Screenshot



2. Description

- a. There is a fishing boat in a lake that has crashed into a see through rock(implies supernatural. On the fishing hook is a clam that has a vary shiny pear on it. Purposefully didn't add fog to the sphere because I want it to seem like it was glowing or super bright.

3. All the objects Participate in shadow Mapping. Except the rod.

4. Features

- a. 3d Texture: is applied to the clam
- b. Environment mapping is applied to the Sphere
- c. Fog and the rock is see through.

5. Controls

a. Camera Controls

- b. W : moves the camera in the forward direction.
- c. S : moves the camera backwards based on fwd direction.
- d. A : moves the camera left. D : moves the camera right.
- e. E : moves the down. Q : moves the camera UP.
- f. Left Arrow/F : rotates the camera left.
- g. Right Arrow/L :rotates the camera right.
- h. Up Arrow/I : rotates the camera up.
- i. Down Arrow/K: rotates the camera down. 4.

j. Light Controls

- k. Click + Drag UP: moves light up
- l. Click + Drag Down: moves light Down
- m. Click + Drag Left: moves light
- n. Left Click + Drag Right: moves light right
- o. Mouse Wheel Forward: moves light forward.

- p. Mouse Wheel backward : moves light backward.
 - q. T : Toggles the light on and off.
- 6. Unimplemented ones.
- 7. NONE
- 8. Assets
 - a. Made: the shark Texture.
 - b. Light bulbTextures
 - c. cubeMap from book.

Citation

Textures

Marble: <https://www.pexels.com/photo/marble-surface-2341290/>

- o Author: Henry & Co
- o Free to use.

Rock: <https://unsplash.com/photos/u4ijcCapRc>

- o Author: Colin Watts
- o Free to use

Fishing Rod model and textures

url: <https://www.cgtrader.com/free-3d-models/household/other/fishing-rod-307d25be-d3b6-4e8f-896b-f87d0f5a6d4b>

Author: emelyarules

License: royalty free license

Water Texture:

Url: <https://unsplash.com/photos/qEswHvOmi1c>

Author: Lionello DelPiccolo

License:Free to use

Fishing boat model and texture

url: <https://sketchfab.com/3d-models/wooden-boat-800ba0d317de4b86b0e3646416c77193>

Author: summitmangela

License cc with attribution

Shark Model

url: <https://www.cgtrader.com/free-3d-models/animals/fish/great-white-shark-e945a4e090cd71acbf4cfcc6ff54ad9c>

Author: Cartoomotion.

License: Royalty free license.

Seashel Model

url: <https://sketchfab.com/3d-models/purple-seashell-04d9983ba04242fe99182d4506ea0714>

author: Meerschaum Digital

license cc Attribution