CS 457/557 -- Winter Quarter 2021

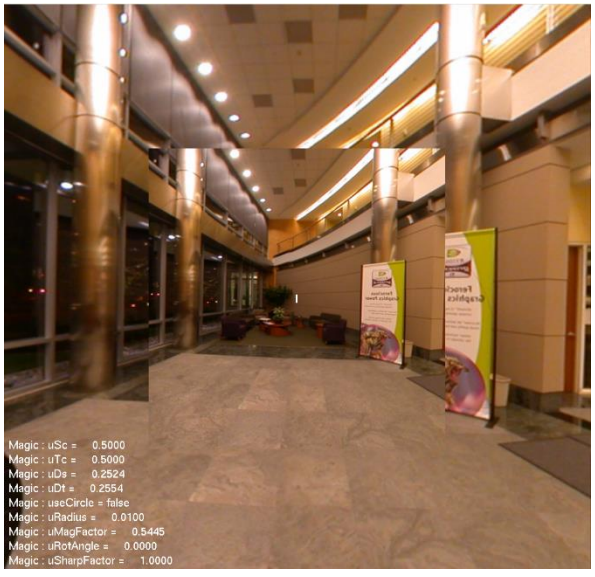
Project #5

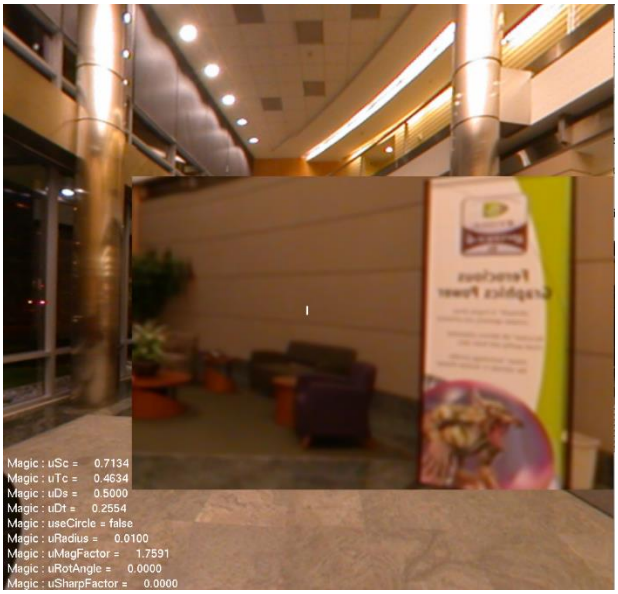
Image Manipulation in a "Magic Lens"

Name: Chun-Yu Chen

E-mail: chench6@oregonstate.edu

- **What I did and explaining why it worked this way:**
  1) Use if/else to determine what range I need to do the magnification, rotation, and sharpness.
  2) Calculate the magnification then give the result of vec2 to the rotation part to continually calculate the new s and t.
  3) After getting the new s and t, put them into the sharpness section to get the final result.
  4) Set another model as circle, then use the concept of Project1(s-sc)2 / Ar2 + (t-tc)2 / Br2 = 1) to get the range I need to filter.
- **Screen shots from program:**





- **Video Link: https://youtu.be/X1kRHZW-x_Q**