Project 5

CS 557 - COMPUTER GRAPHICS SHADERS

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Project Number: 5
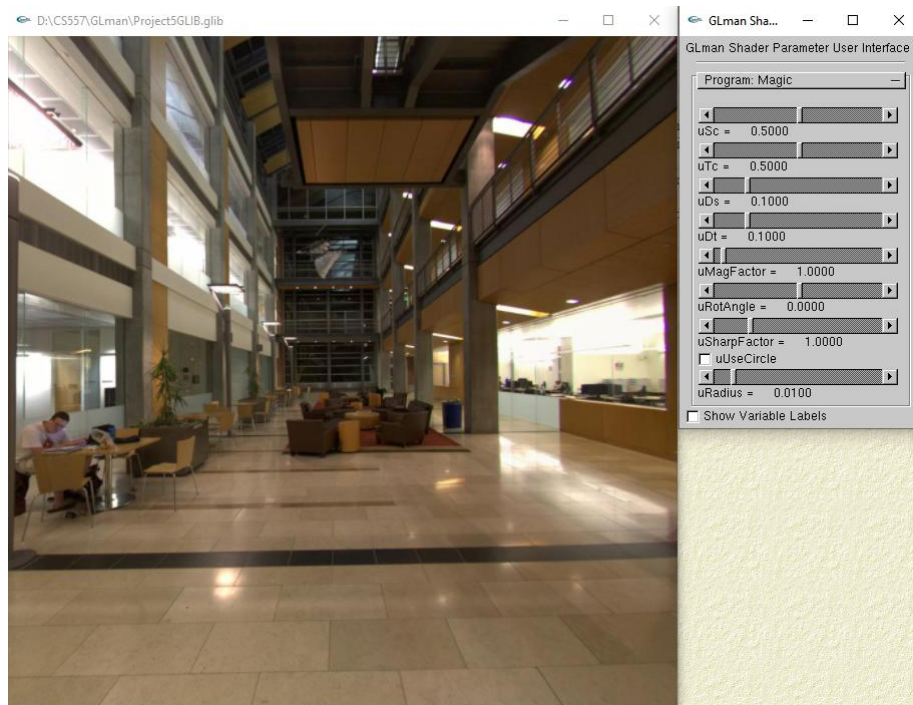**Project Name:** Image Manipulation in a "Magic Lens"
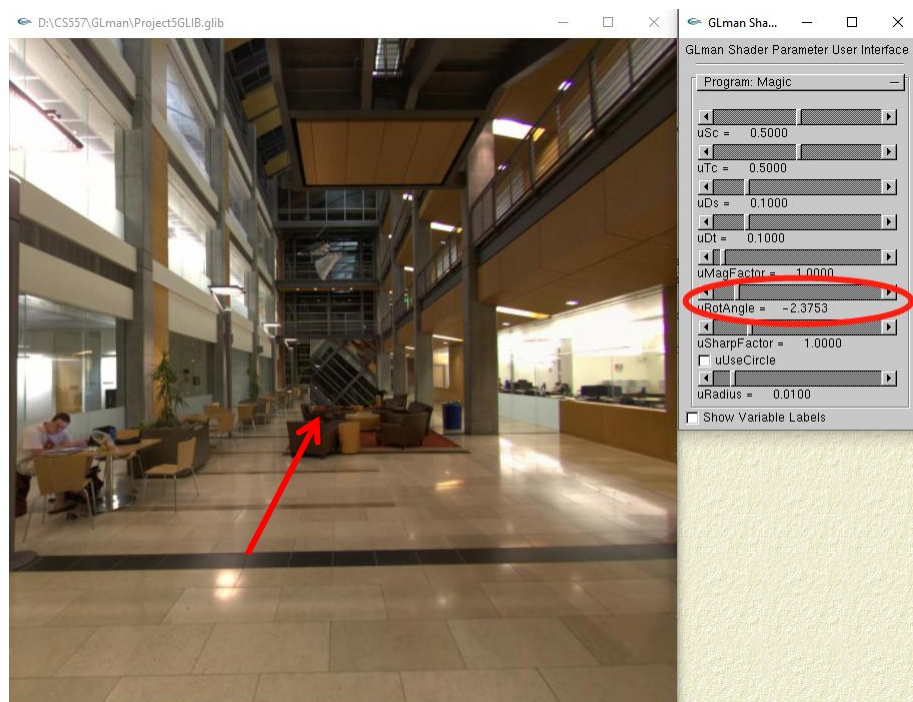
Video Link: **https://media.oregonstate.edu/media/t/1_a2z7i2li**

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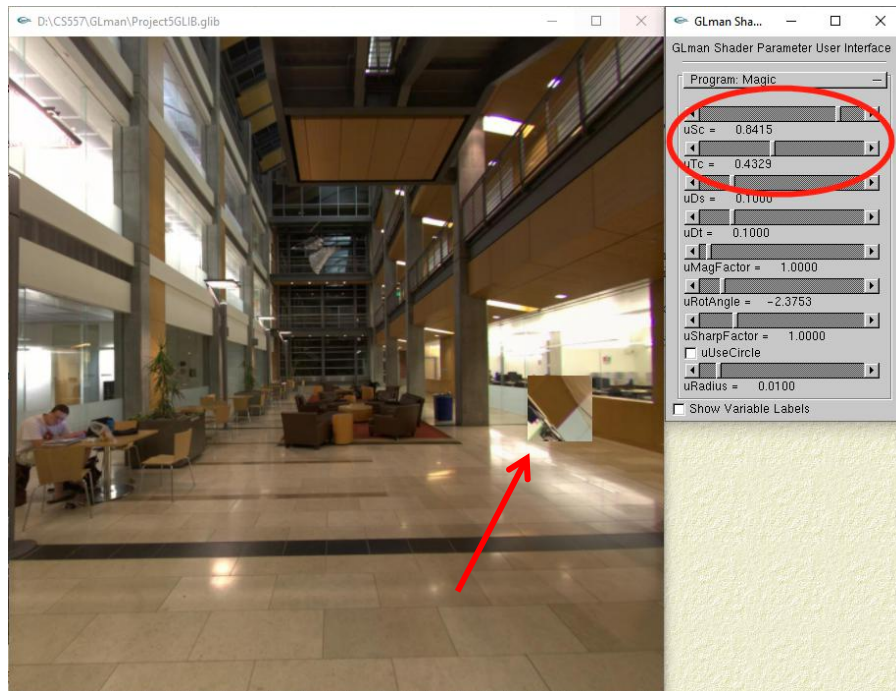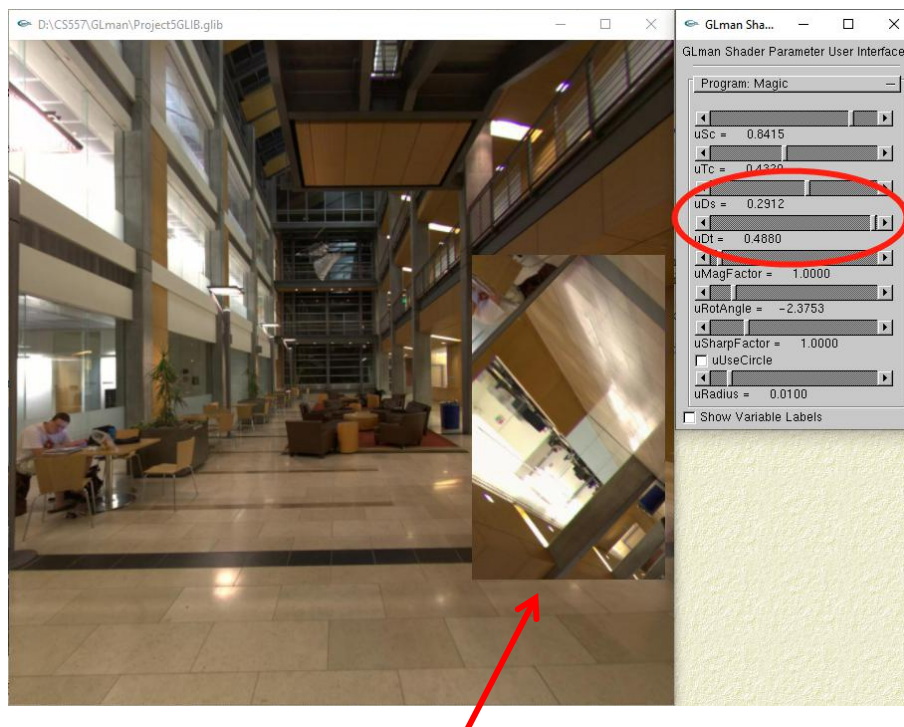**Time:** February 16, 2020

The original picture:

After rotate our rectangle with some angle by changing uRotAngle we can see the edge of the shape:
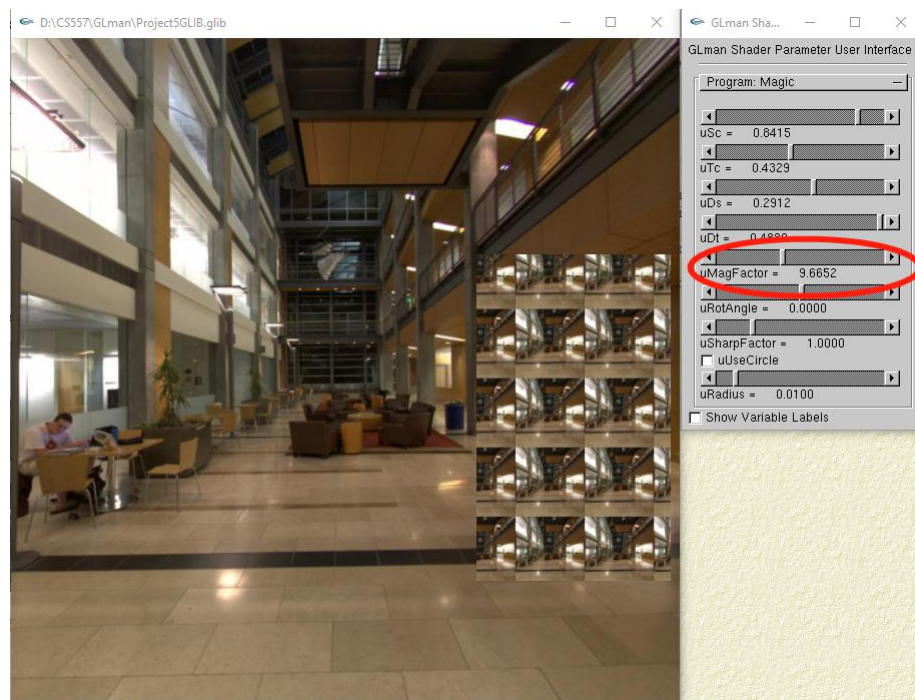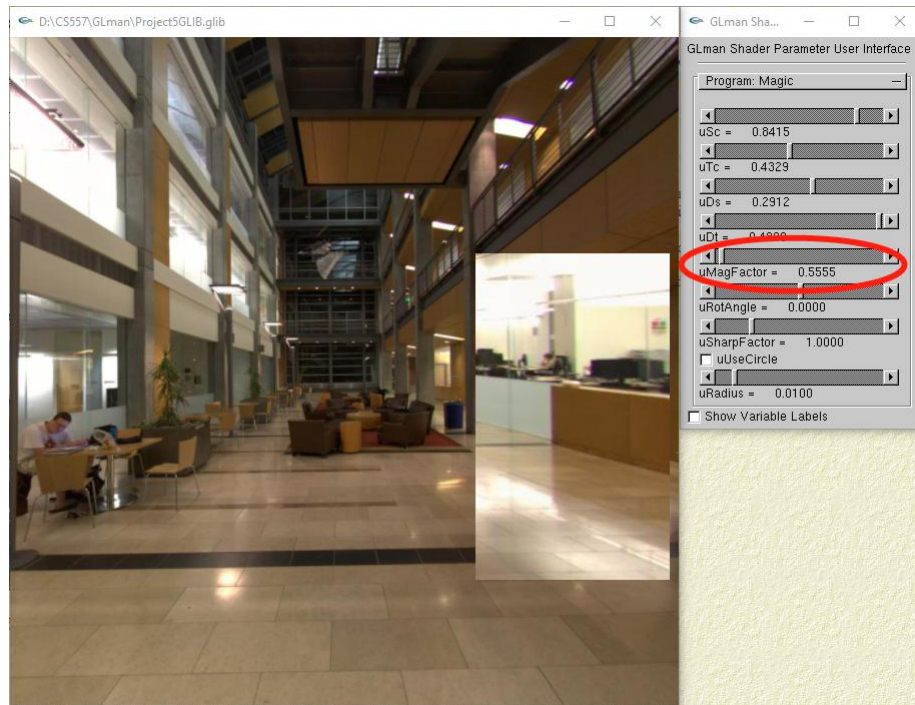
Moving the rectangle, by changing uSc and uTc:

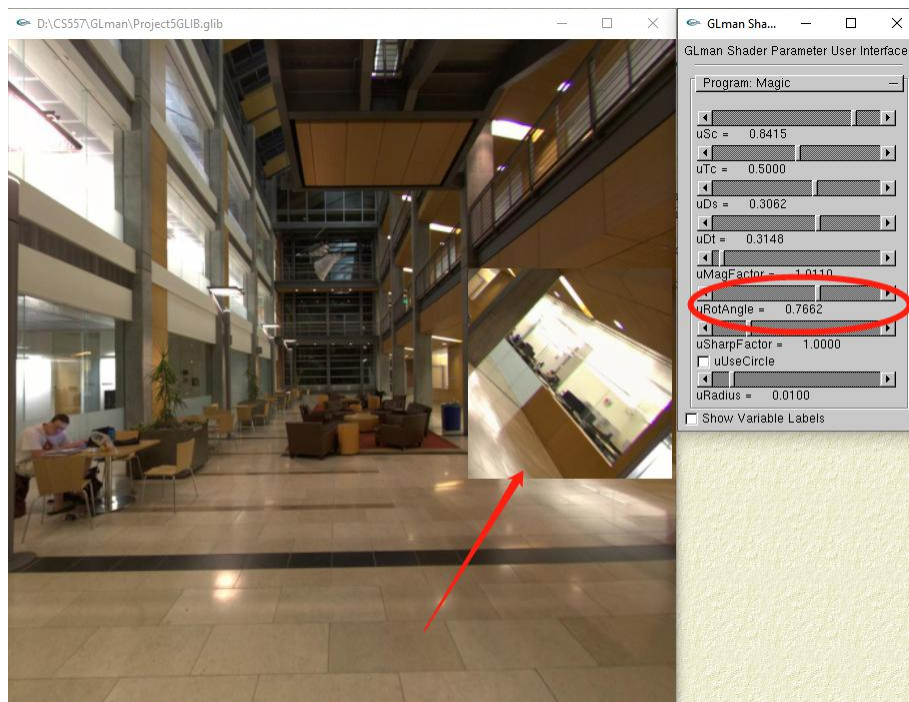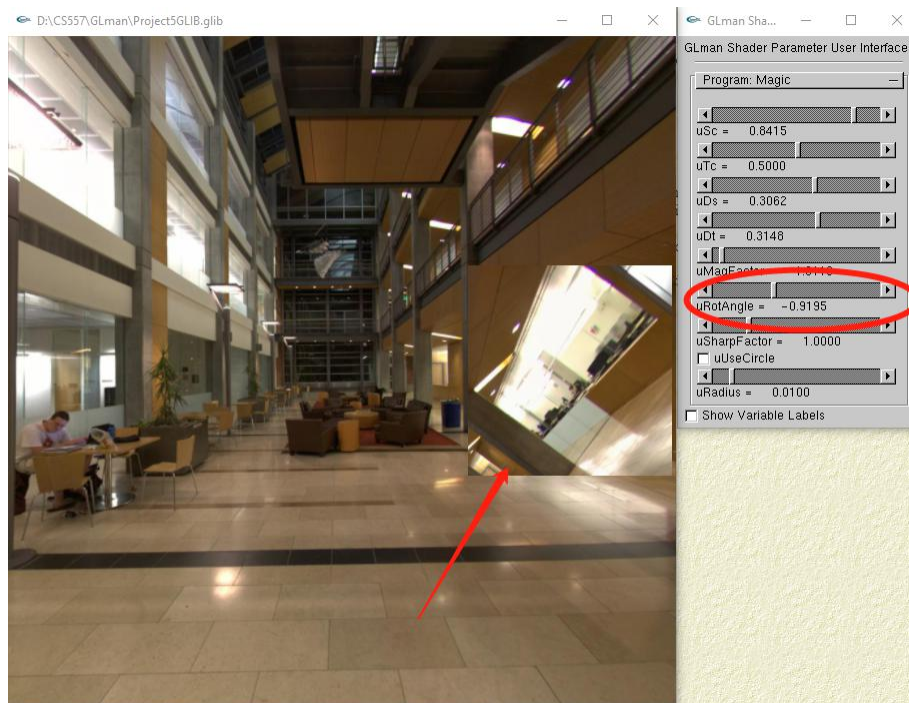Re-sizing the rectangle, by changing uDs and uDt:

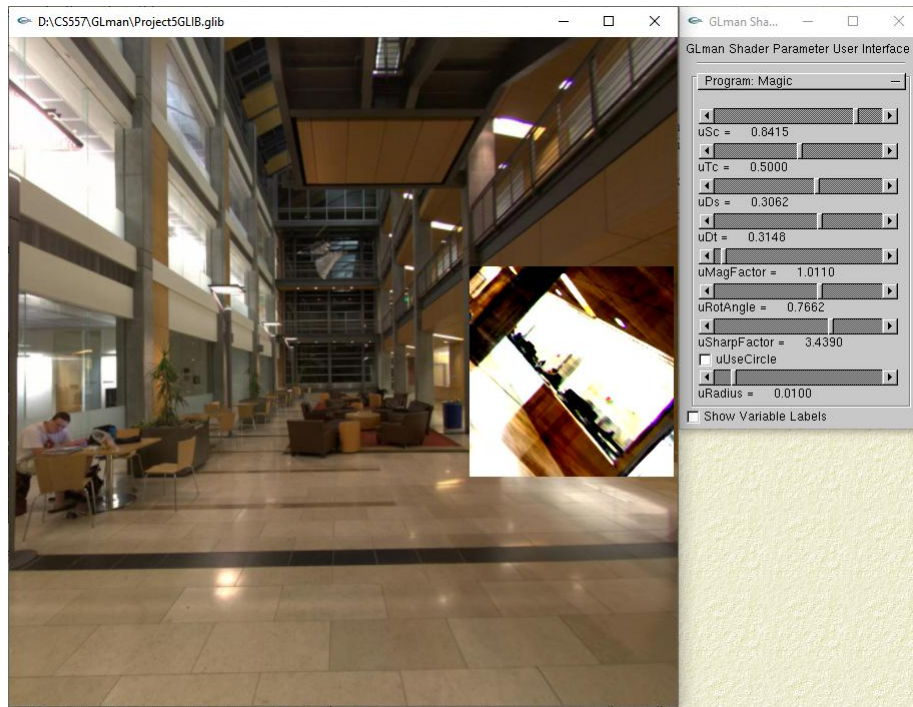Then make the rotate angle back to 0 and do magnification by changing uMagFactor:

Then make the magnification back to 1 and do rotation by changing uRotAngle:

Then for the rectangular region, do sharpening by changing uSharpFactor:

Finally, we change the rectangular into a circle by clicking uUseCircle and changing uRadius: