## READING FAÇADES

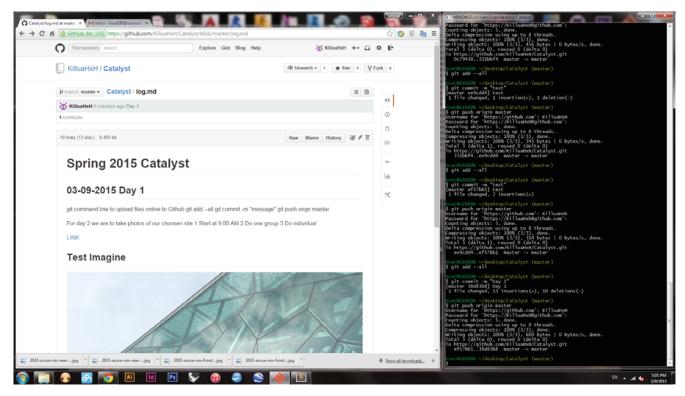
## INTEGRATING HUMAN AND COMPUTER VISION

ARCHITECTURE AS CATALYST 2015 WORKSHOP

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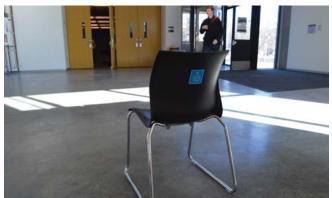
## Markdown

For the first day we used a program called Git Hub which is a command line type program that allows you to save files with incremental files that display changes that is made and also people that makes those changes.











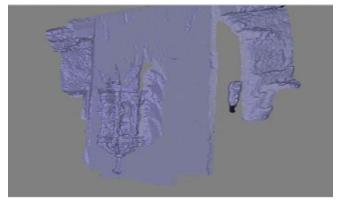
In the early stage of exploring photo of different type of building and object was taken to see which one works the best in photoscan. Also different distance from the object, number of photo, photography techniques, and different type of object material were tested to figure what works well in photoscane and what does not.



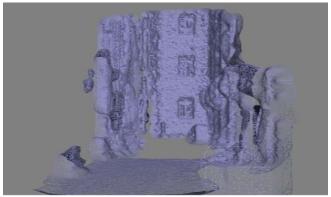








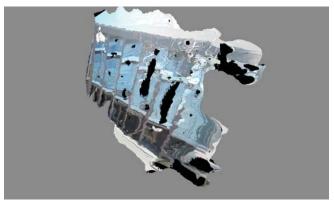


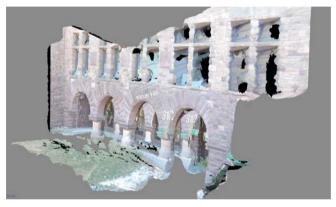


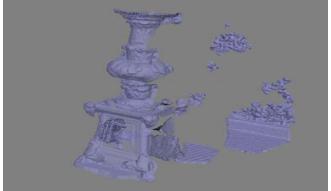


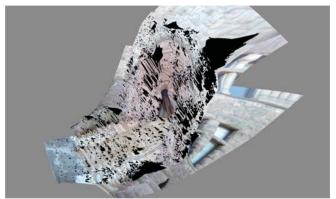


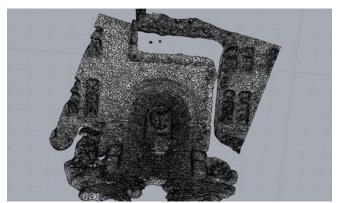
Photoscan takes a serious of images that the user took and align them together to create a dense cloud of points then uses this point to create mesh and texture. From the photo i took and the models it created, the computer have a tendency to ignore certain objects in the photo that we see but don't also notice, for example the ground or transparent glasses. Something else that i notice while using the program is that lighting is important, photo that were taken when the light is more diffused produce a better models.

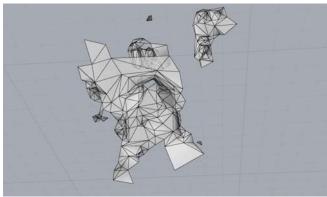


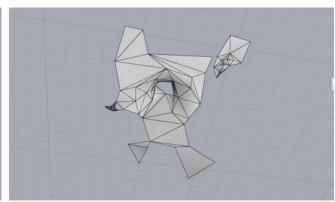






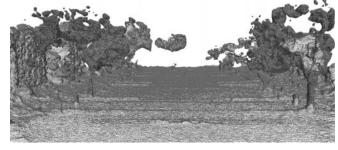




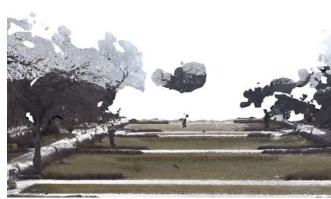


## Decimation

For this process we took our mesh from photoscan and try to reduce the number of surfaces of that mesh in to smaller number to try to see what it will show us. From the photo we can see that by reducing a complex mesh with 150,000 faces in to a 100 face mesh the form of the models has change into a more organic looking form that with out texture does not



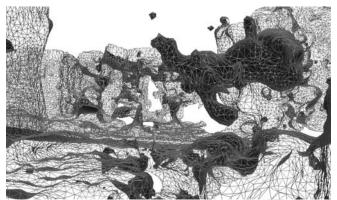




Drone Mall

Human Computer Vision Spectrum







Bridge to Rapson

Human Computer Vision Spectrum

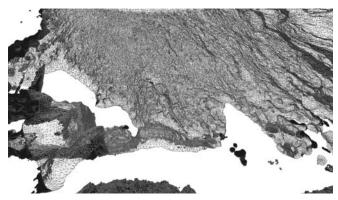






STSS to Rapson

Human Computer Vision Spectrum







Drone Mall Panorama

Human Computer Vision Spectrum