Group Name Hackulus Thriftus

Group Members

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Project Topic

Reconstructing a 3D object or scene using Kinect and viewing that mesh in Google Cardboard

Objectives and Key Results

Objective: Create a 3D mesh by moving an object and not moving the Kinect

Key Results:

1. Create a mesh of the object using depth data from Kinect
2. Smooth the data using a filter so that the mesh is reduced in size so that we can render it on a phone for Google Cardboard

Objective: Create a 3D mesh of a scene using Kinect when the Kinect is moving in a circle

Key Results:

1. Stitch the images received from the moving Kinect to render a single scene
2. Create a 3D mesh of the scene using the depth data from Kinect

Objective: View a mesh in Google Cardboard

Key Results:

1. Mesh is loaded and viewable in a web application that works with Google cardboard
2. Mesh is able to be rotated or viewed at different angles

Meeting Schedule and Objectives

Progress Report 1: Have OKR 1 done and begin work on OKR 2

Progress Report 2: Have OKR 2 done and be almost done with OKR 3

Final Project Due Date: Finishing touches on OKR 3 and possible reach goals