**CSCI3290 Course Project- Pocket 3D Display**

Zhou Zhihao, 1155014412

**Code and Data**

**code/image\_part**： matlab codes and image data to generate the stereo image pairs

* stereo\_image.m // main script
* scale\_image.m
* disparity2stero.m
* depth2disparity.m

**code/video\_part**: matlab code and video data to generate video with static logo, animated logo and subtitle

* main.m // main stript
* scale.m
* depth2disparity.m
* disparity2stero.m
* video\_logo.m
* video\_logo2.m
* video\_logo3.m
* video\_logo4.m
* video\_subtitle.m

**code/CardboardDemo**

- Android Studio project for the app to display the 3D image and video

**Extra part**

* 3 more stereo image pairs to show 3d and 3 videos with animated logo
* Add logo animation in front of the video
* User can switch to the next image/video by pushing the magnet on the Cardboard or touching the screen.

**Code reused:**

* Google’s sample app: <https://github.com/googlesamples/cardboard-java/>