

1. About the Detect Head Position

During this two week I found a project called the Head Pose Estimation. By this project you can determine the position your head is tilting to.

2. How it works

The head position is estimated by the y and x axis crossed on the face. By centering your head in the center of the computer's camera, if you head is in front it will say 'Forward', and if the head is in a position other than the center, base on it's x and y coordinate it will either say 'Looking Right/Lest/up/or down'.

3. Link to the Head Pose Estimation

1. video of 'Head Pose Estimation' : '<https://www.youtube.com/watch?v=-toNMaS4SeQ>'
2. githup of 'Head Pose Estimation' : '<https://github.com/niconielsen32/ComputerVision>' and the coad is called '[headPoseEstimation.py](#)'

4. How it relate

I think the Head Pose Estimation project is related to the Distracted Driver Project because by determine the head position it can help detect if the driver is distracted. If a person is driving he or she will only look forward, left or right to check the back, and up to see the review camera. And the angle of these head position is usually in between a certain number. As so I think by detecting if the driver is over looking at a certain angle, it can help to see in general if a driver is distracted.