

Monish Shanmugham Suresh

Link to Assignment: <https://github.com/Tonedcandy/CSC-570-ASSG-5.git>

## Posture Meta Quest 3

### Activity

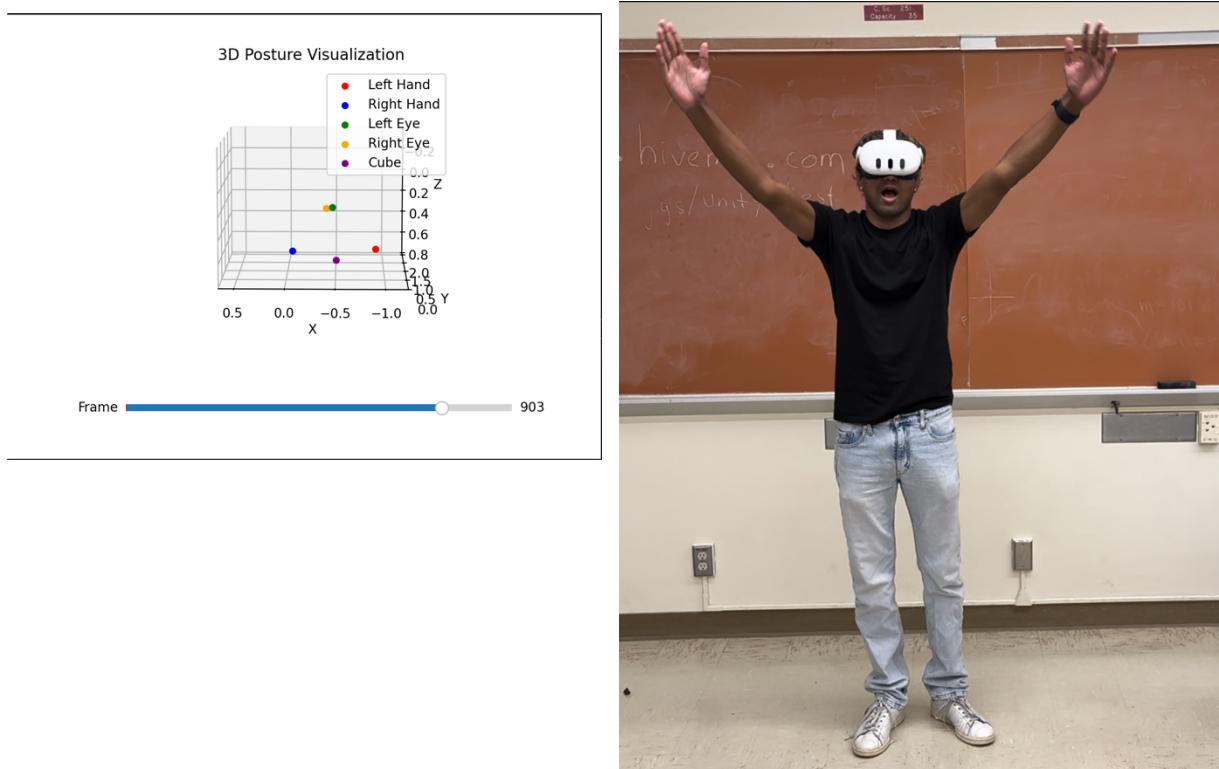
The Subject wears a Meta Quest 3 and signs the letters Y, M, C, and A with their hands, as seen during the chorus of the music video of the song titled “Y.M.C.A.,” which was performed by the American Disco group “Village People”.

The subject performed the activity twice. When the subject attempted to perform the moves seen in the original music video for the first time, their wrist movements were not captured by the Meta Quest 3, as their wrists were most likely outside the bounds.

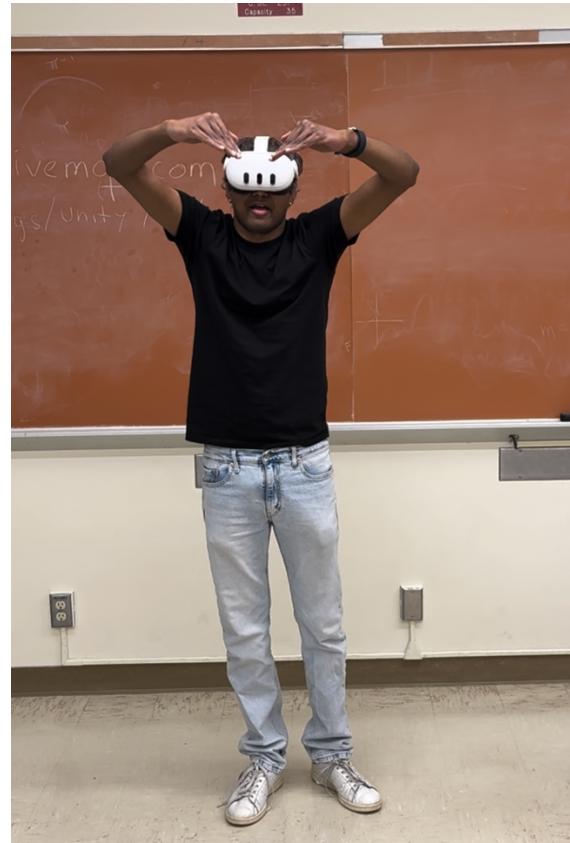
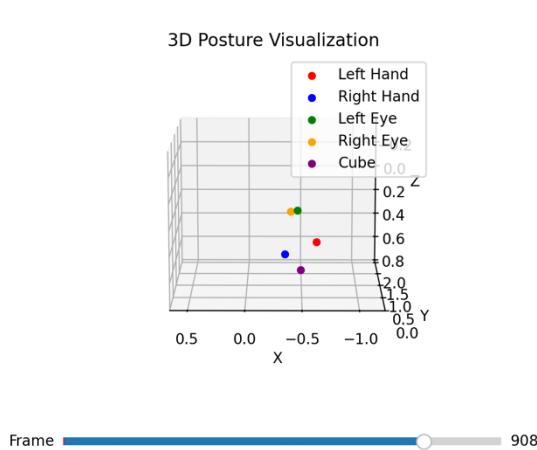
The subject re-aligned the white cube and angled their hands forwards to the cube when performing the moves the second time. This time around, the data collected from Meta Quest is in sync with the actual activity performed by the subject. The data was visualized in a 3-dimensional Scatter plot to confirm the accuracy of the readings.

NOTE: From frame 903 through 917, Take 2 – Chorus 1 was recorded both through the Meta Quest 3 and an iPhone 16 Pro. Points 1 through 4 depict the same.

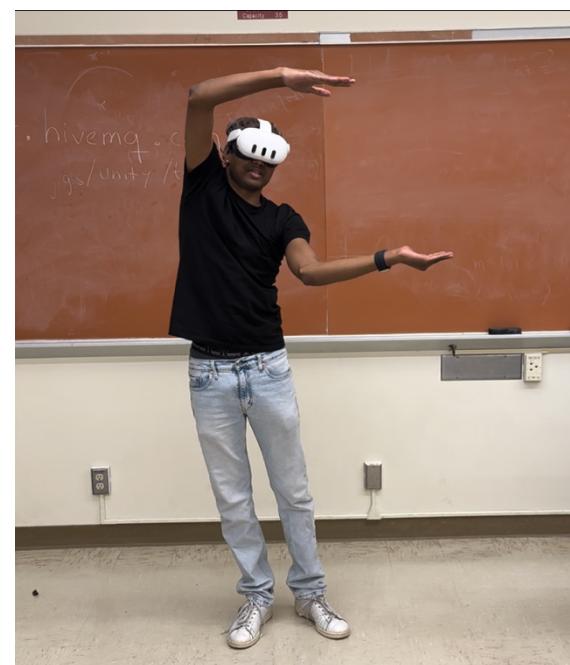
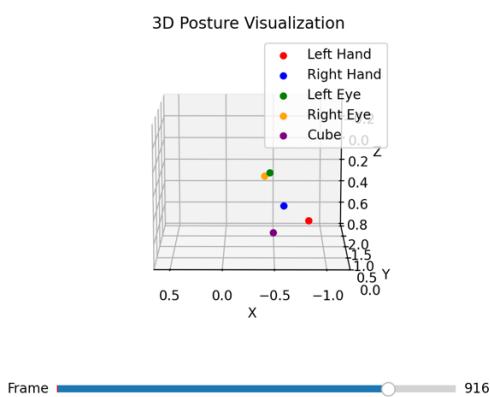
#### 1. Take 2 - Chorus 1: Signing “Y”



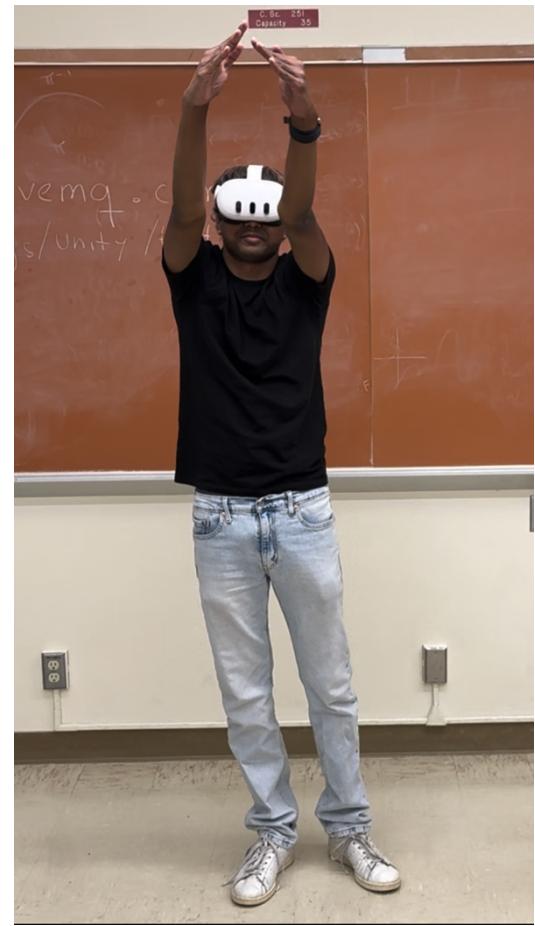
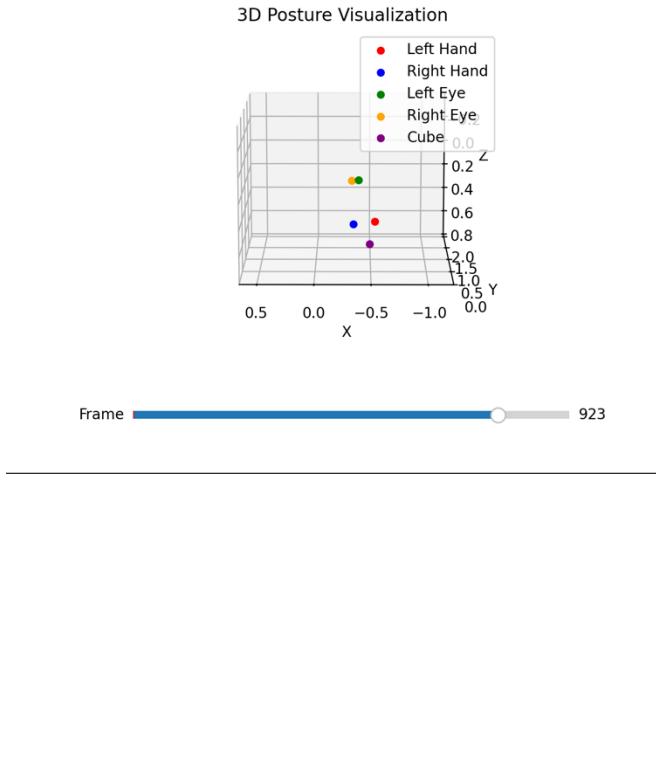
## 2. Take 2 - Chorus 1: Signing “M”



## 3. Take 2 - Chorus 1: Signing “C”

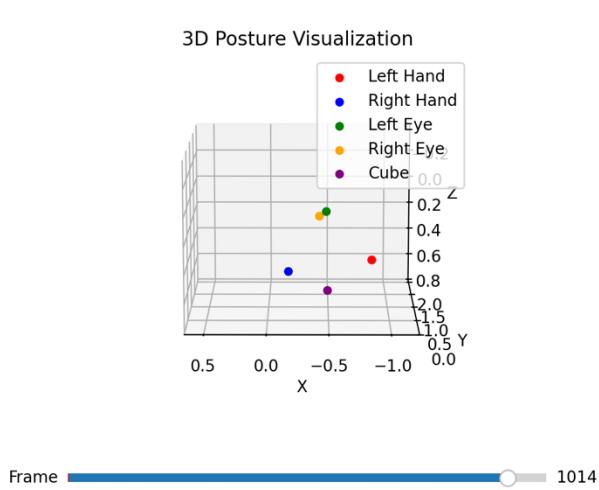


#### 4. Take 2 - Chorus 1: Signing “A”

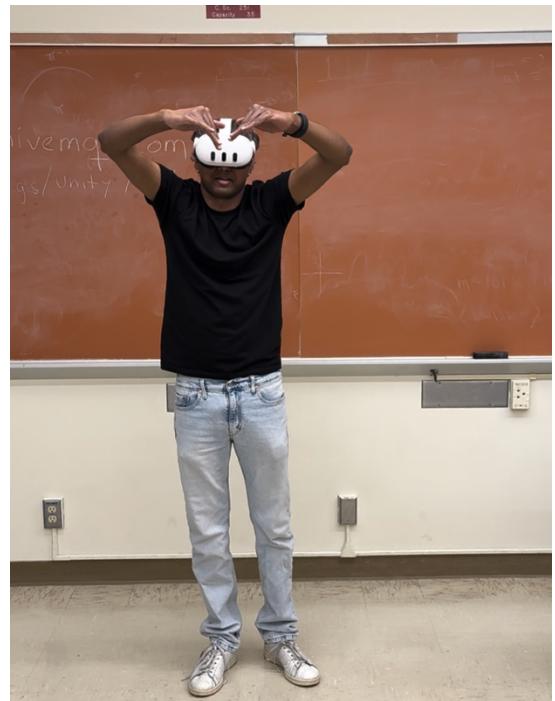
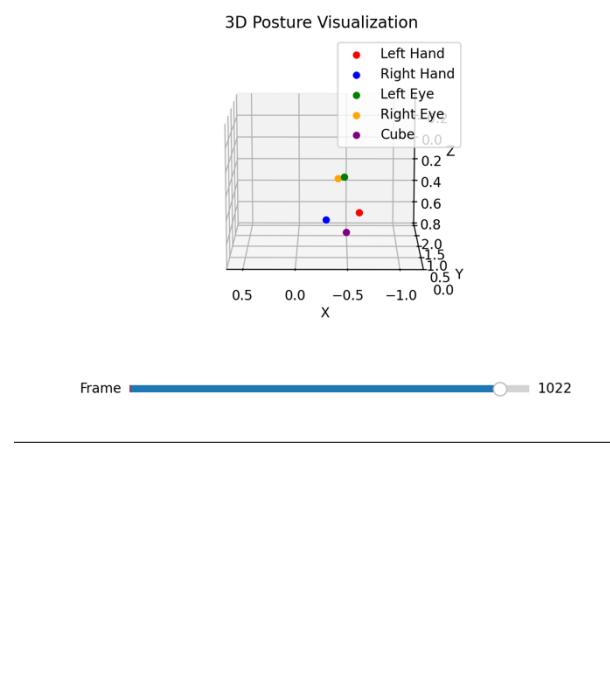


NOTE: From frame 1014 through 1039, Take 2 – Chorus 1 Repeat was recorded both through Meta Quest 3 and an iPhone 16 Pro. Points 5 through 8 describe the same.

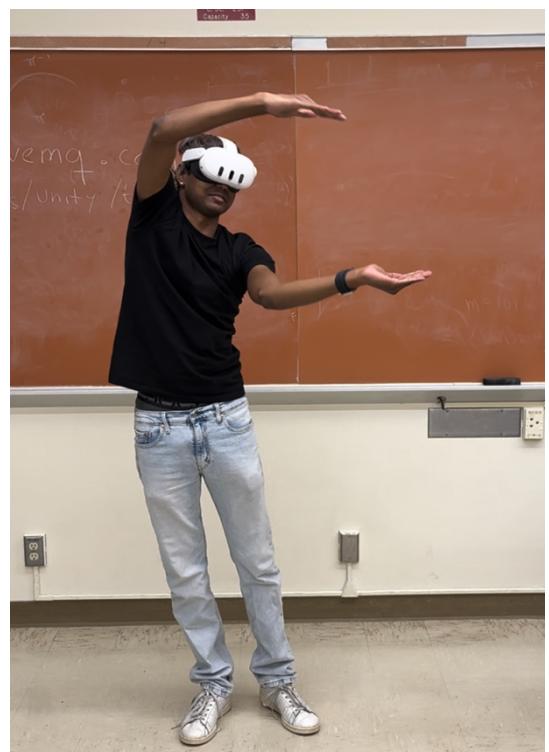
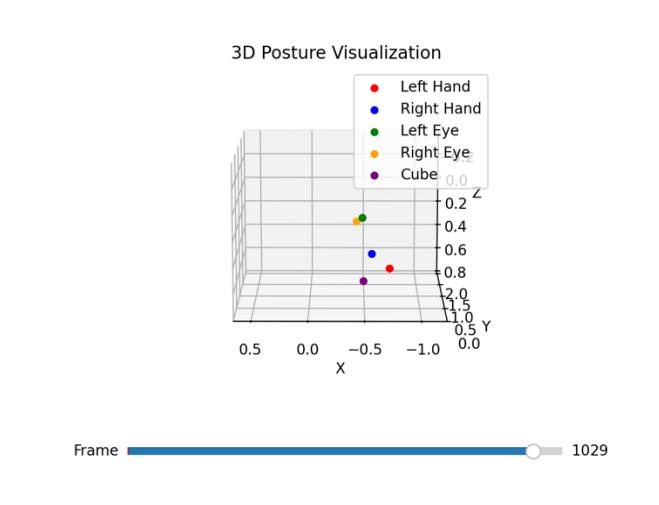
#### 5. Take 2 - Chorus 1 Repeat: Signing “Y”



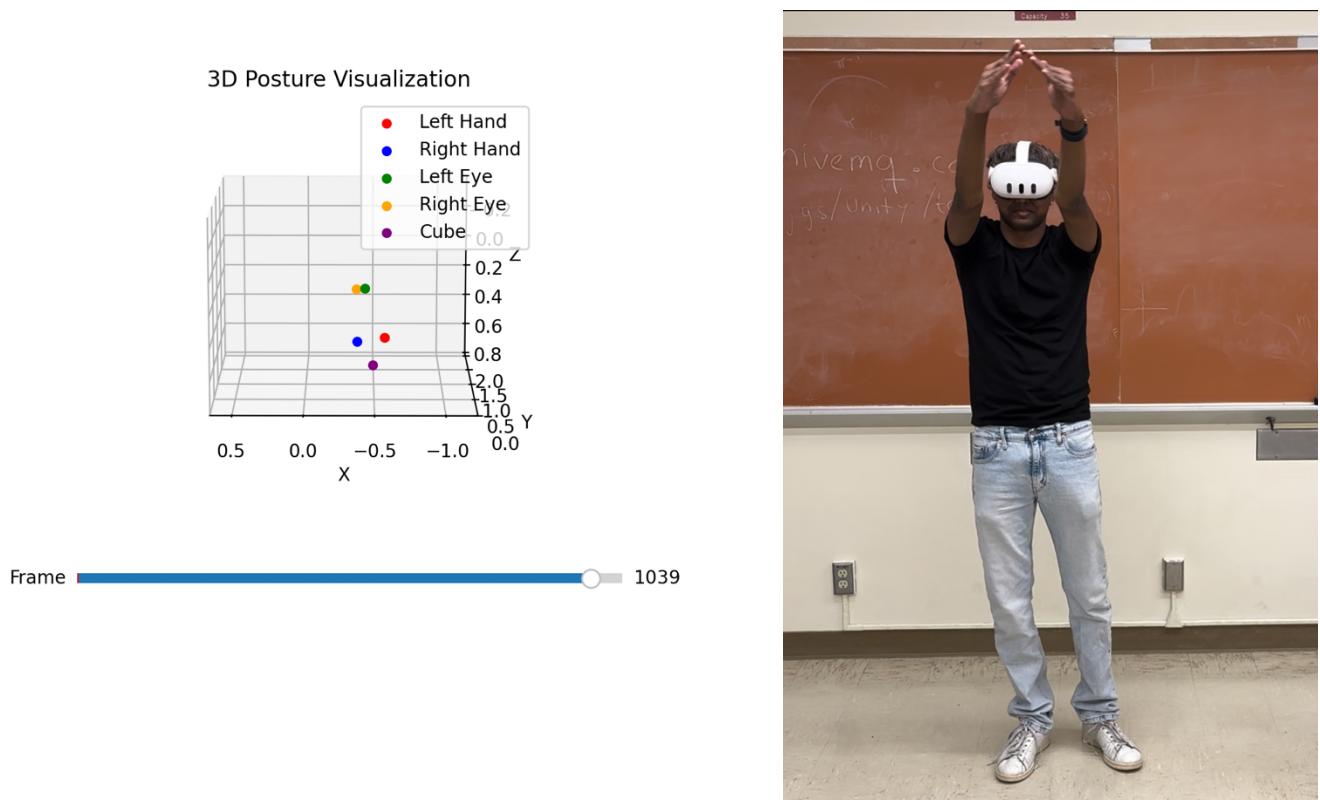
6. Take 2 – Chorus 1 Repeat: Signing “M”



7. Take 2 – Chorus 1 Repeat: Signing “C”



8. Take 2 – Chorus 1 Repeat: Signing “A”



NOTE: Although the video contains moves for Chorus 2, readings for Take 2 Chorus 2 were not recorded through the Meta Quest 3 and hence were not visualized.