

Mediapipe Python actors

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We are currently in the progress of developing several Gazebo Python actors based on the Mediapipe framework. These are based on the 0.10.9 version of the Mediapip library

- The base repository can be found here: <https://github.com/hku-ect/PoseTrackActor>
- Development is being done here:
<https://github.com/ikbenmacje/PoseTrackActor/tree/mediapipe0.10.9>

PoseTrackActor

The PoseTrackActor is a python actor for gazebo using the Mediapipe framework to do body pose recognition. In order for the actor to work you need to install mediapip 0.10.9 and requirements in the folder of the python actor. You also need to save the stage to that directory so that the directory with the python modules becomes the working directory from which the actor is loaded.

See for more instructions here:

<https://github.com/ikbenmacje/PoseTrackActor/tree/mediapipe0.10.9>

FaceDetectionActor

The face detection actor is a Python actor based on the Mediapipe framework that track the face.

Installing mediapipe 0.10.9 with python3.9 on OSX

Before you start creating your virtual environment and installing mediapip do this first:

```
export SYSTEM_VERSION_COMPAT=0
```

To see why look here:

https://github.com/AnyLifeZLB/FaceVerificationSDK/blob/main/install_newest_mediapipe_on_macos.md

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