Tutorial for Unity

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Abstract

This report contains a simple tutorial to install .

UNITY INSTALLATION

- Go the official unity's website and download the software : Unity Download
- Start Unity Hub and log in to your account.

LOAD THE PROJECT

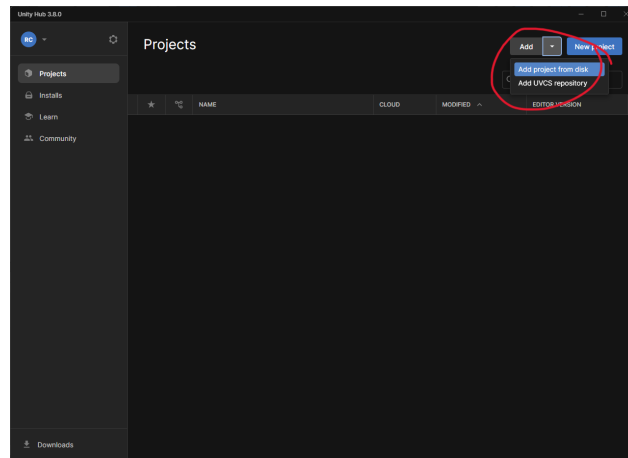- Click on 'Add' → '*Add project from disk*'.

Figure 1: Add Unity Project

- Select the unzipped folder '*MotionCapture*'.
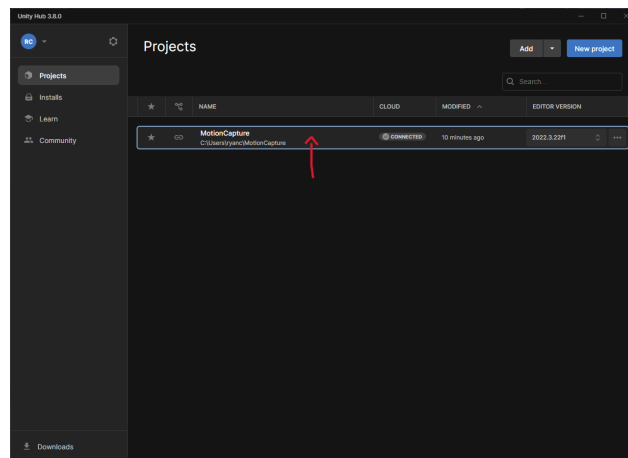- Click on the project to start it.

Figure 2: Load Unity Project

- A new window will appear.

START THE PROJECT

- Run the python notebook

- Once the text *"Waiting for Unity connection..."* appears, click on the start button at the top middle of the window.

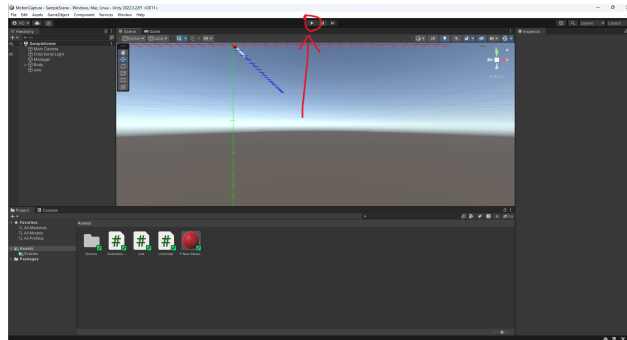
Figure 3: Start Unity Project

- Setup the calibration by showing the target to the camera.

The pose estimation can now be visualized in a 3D space.

NAVIGATE THE SCENE

- **Move**: Select the '*View tool*' (hand icon) in the scene window + Click and drag
- **Rotation**: Press '*ALT*' + click and drag
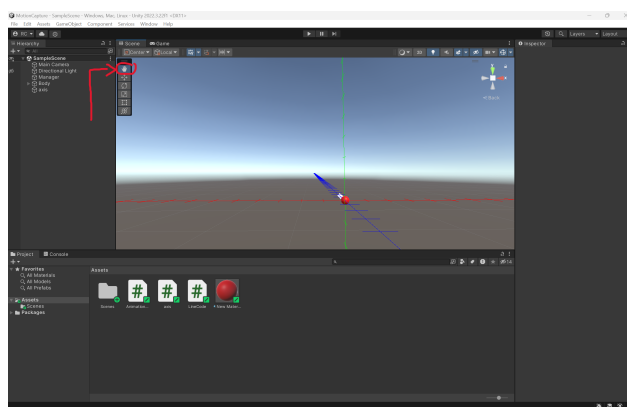- **Zoom**: Use mouse wheel

Figure 4: Navigate in the scene

MODIFY AXIS PARAMETERS

The x, y, z axis have 3 parameters.

- **Graduation Spacing**: spacing between each graduation
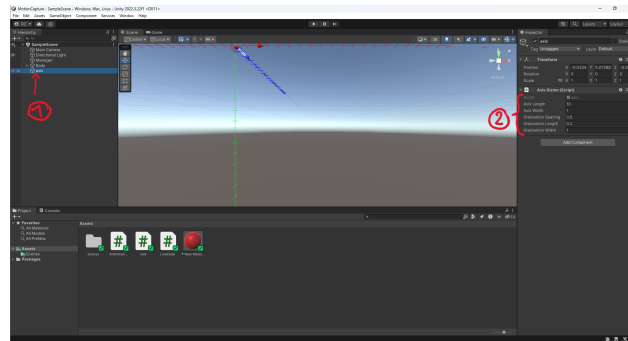
- **Graduation Length**: length of the axis

- **Graduation width**: width of the axis

Figure 5: Axis parameters