Physical Setup:

1. 4 speakers on 4 plastic supports (3 on stands and 1 on floor for cello).
   1. Connect the four power cables.
   2. Connect the four XLR to TRS (1/4”) cables (or XLR to XLR for the snake/stage box at the live performance).
   3. Setup the four microphones on each instrument. Connect to inputs 1-4 on the interface:
      1. Violin 1 (on front of interface)
      2. Violin 2 (also on front)
      3. Viola (on back)
      4. Cello (on back)
   4. In the back of the interface, connect to the first four outputs 1-4 (same order as inputs).
   5. Connect the power for the evo 16 interface and connect the USB cable to laptop.
   6. Turn everything on (physical switches on the four speakers, press the knob on the interface if it doesn’t automatically turn on).
   7. On the computer:
      1. Open EVO Mixer (the app is just called “evo”)
   8. Turn on phantom power for each microphone by pressing the correct number on the front of the interface (1, 2, 3, 4) and then pressing the 48V button (never do this before connecting mics and never disconnect while phantom power is still on. (Do this step again to turn off when finished.)
   9. Adjust the preamp gain for the four microphones by pressing each number (1-4) one at a time, and turning the knob to 10dB.
2. Software setup:
   1. Go to: <https://github.com/john422e/inside-outside>
      1. Click on the green “<> Code” button and select “Download ZIP”.
      2. Once downloaded, open the zip file.
   2. Open a terminal window.
      1. Type “python3 -V” to see if it’s installed (if not, download from: <https://www.python.org/downloads/>)
      2. Navigate to the uncompressed zip folder (type “cd ” )(then drag the folder from a finder window onto the terminal window to add the full path).
      3. Install python virtual environment:
         1. python3 -m venv .venv
         2. source .venv/bin/activate
         3. python3 -m pip install --upgrade pip
         4. python3 -m pip --version
         5. python3 -m pip install osc4py3 (first time only)
         6. python3 -m pip install numpy (first time only)
         7. python3 -m pip install scipy (first time only)
         8. python3 -m pip install matplotlib (*first time only)*
         9. python3 -m pip install pandas *(first time only)*
      4. Navigate to software directory
         1. cd software
         2. python3 analyzeSample.py
   3. Open SuperCollider.
   4. The following will be compressed to a single command, but for now:
      1. Open a terminal
      2. In data.scd, functions.scd, and soundServer.scd
      3. Click on the functions.scd tab at the top
         1. Go to Language -> Evaluate File
      4. Click on the data.scd tab at the top
         1. Go to Language -> Evaluate File
      5. Click on the soundServer.scd
         1. Go to Language -> Evaluate File

Take off 1 ¾ “ of speaker stand