

# Audio & Video Editing Virtual Ensembles

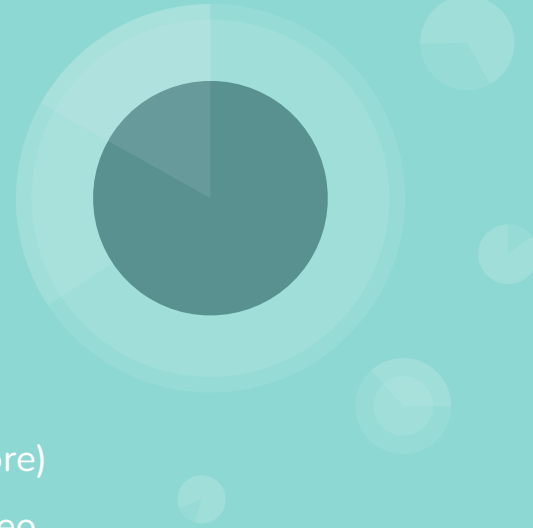
Aaron Scoccia  
Educator & Freelance Musician

<https://www.youtube.com/scocciahomemusic>





# Getting Started



You will need the following:

- Computer with good processor & memory (8GG RAM or more)
  - Enough hard drive space to accommodate audio & video
- Notation software (if creating arrangements, etc.)
- Microphone and audio interface
- DAW (Digital Audio Workstation) software
- Camera & tripod (most phones work very well)
- Video editing software
- Platform to upload & share the final product



# DAW (Digital Audio Workstation)



## Professional Level Software:

- Logic Pro\* (macOS only)
- Pro Tools
- Reaper
- Adobe Audition

## Free Software:

- Garageband (macOS only)
- Audacity
- Cakewalk



# Audio Mixing Plugins

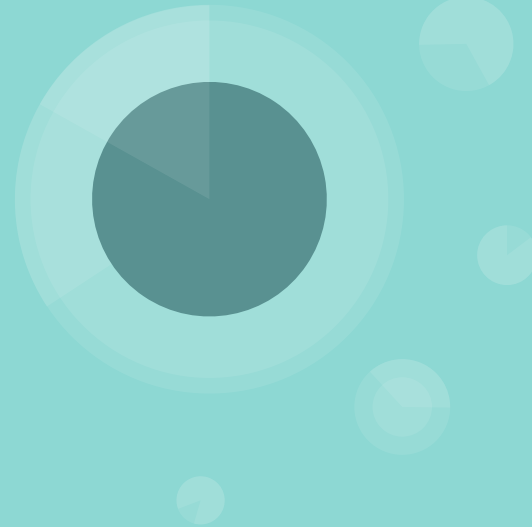


- **EQ:** adjusts the volume of specific frequencies to enhance the sound (i.e. bass booster)
- **Compressor:** lowers the loudest part of the recorded audio to help balance the track and avoid clipping
- **Reverb:** makes it sound like the performance is happening in a larger space
- **Limiter:** caps the final volume of the project so the audio is not too loud and/or clipping (is especially useful when working with a large number of tracks)



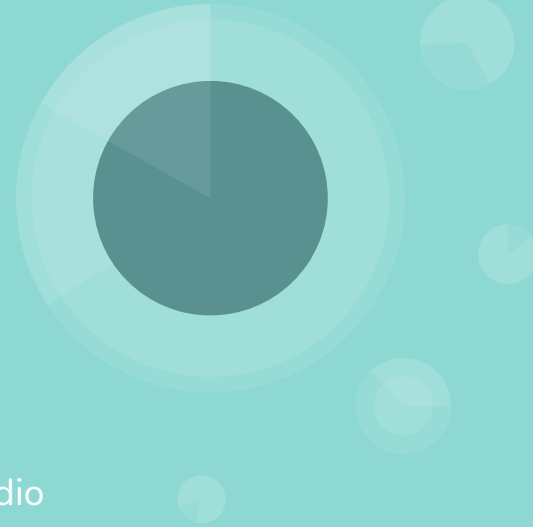
# General Recording Tips

- Record in a small space that does not have a lot of natural reverb
  - Rooms with carpet/lots of things in them help deaden the sound
- Record directly into your DAW so you can record in sections and easily re-record when a mistake is made
- Mic placement for recording an instrument or voice is important
  - Should be facing the proper direction and not too far away or too close





# Video Editing Software



## Professional Level Software:

- Final Cut Pro\* (macOS only)
- Adobe Premiere
- DaVinci Resolve

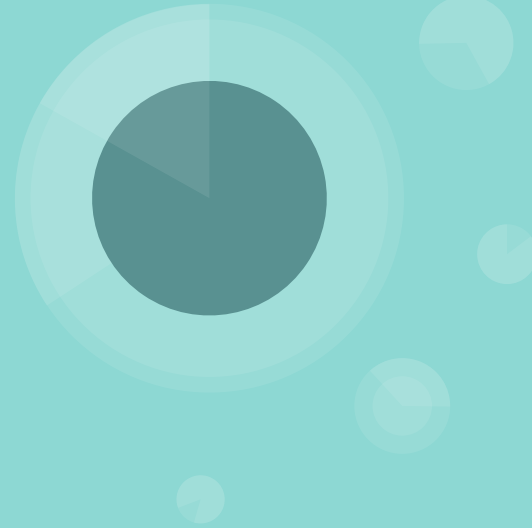
## Free Software:

- DaVinci Resolve Studio
- iMovie (macOS only)



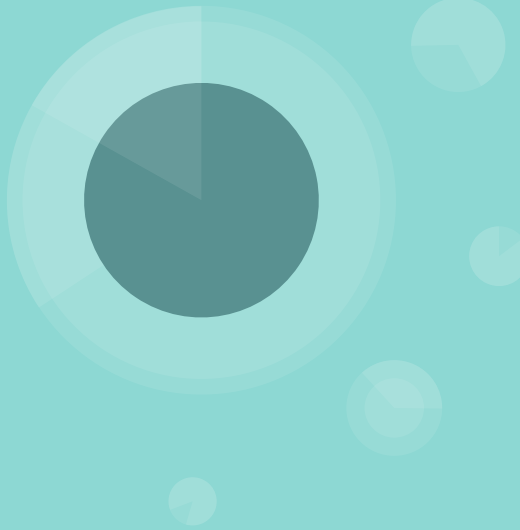
# Video Editing Tips

- First step is to insert your final audio track and line up each video in the timeline
- Creating a template with borders will help make it look better and will be easier to arrange the videos you have
- If your computer is slowing down, you can export part of the project and insert one clip (fewer things to render)
- Video editing requires a lot of time & patience to learn and improve your skills





# Video Recording Tips

- Recording in landscape (horizontal) is best for most projects
  - Be aware of video settings such as quality and frame rate (FPS)
    - 1080p is considered full HD and 30fps is standard
    - If videos have different FPS (i.e. 30 and 24) they will never line up properly and can cause a big headache
  - A clean background (i.e. a blank wall or screen) when possible will look the best
  - Appropriate lighting to make the best possible video
- 





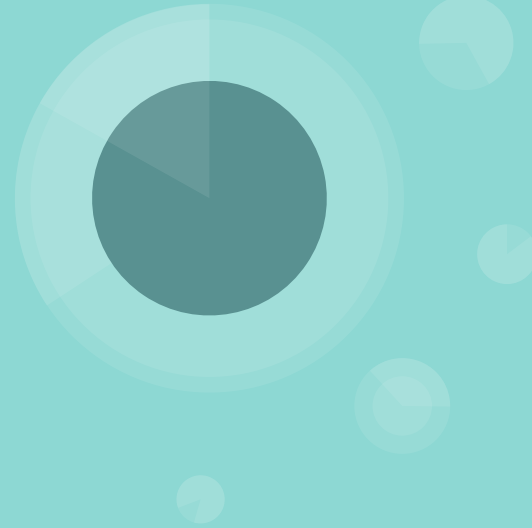
# Notation Software

## Professional Level Software:

- Sibelius\*
- Finale

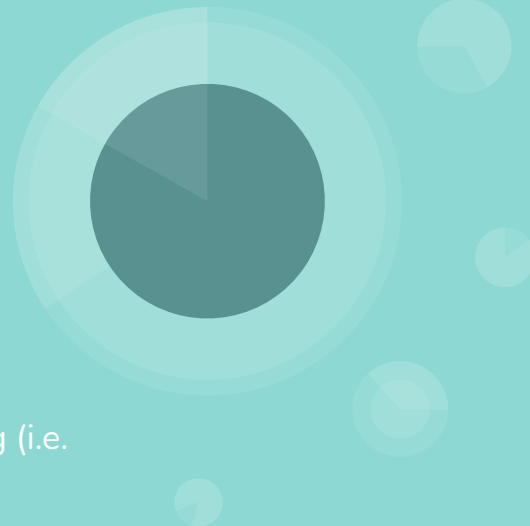
## Free Software:

- Noteflight
- Musescore





# Collaboration



- Be specific when asking a group of musicians to submit media
  - Video
    - Orientation (landscape), frame rate (i.e. 30 fps), lighting, setting (i.e. blank wall), and clothing
    - File format (i.e. mp4, mov, etc.)
    - Any clapping instructions to help synchronize video later
  - Audio
    - Record into a DAW is great, but if not, audio can be extracted from video
    - Musicians should ensure their recording doesn't clip (too loud for mic)
    - Recording in a quiet and dry (if possible) space



# Collaboration



- You will want everyone to send raw (unedited) files for both audio and video
- Have a system in place to organize files as you receive them
- [WeTransfer](#) is a great (and free!) service for people to send files, especially video files which will be too large to email