



Online Piano Instruction: Making Meaningful Connections

João Paulo Casarotti, DMA (NCTM)

I. What does it mean to teach online?

- Real-time instruction (synchronous video conferencing)
- Time- shifted instruction (asynchronous video exchanges)
- Hybrid online and face-to -face instruction
- Courses taught online that combine online resources, real-time and time-shifted instruction
- Online Masterclasses/Workshops
- Live Broadcasting

II. Who needs to teach piano online

- Teachers who go on tour
- Teachers with not enough students in their area
- "I wish I could keep teaching my students that moved away"
- Current students (weather issues or illnesses)
- Supplement traditional instructions
- Teachers interested in offering term-based online courses on specific topics (for example a summer camp on improvisation or pop styles, a course on a specific stylistic era or composer, a 5-week introduction to piano summer course, etc.)

III. Time-Shifted Instruction

- Examples
 - Southern University- Online Video Goals (online tests): <https://youtu.be/AfrlUn8yyvA>
 - Hugh Sung-<http://artistworks.com/piano-lessons-hugh-sung>
- Advantages:
 - Video quality
 - Versatility
 - Viewing as schedule permits
 - Opportunity for repeated views
 - Ability to organize and perfect lesson content/ student performances
 - If this is a course, ability to create interaction between students

How to make instructional videos

Clavier Companion (July/August 2015)- "Flipping Piano Classes and Lessons with Rich Online Video Content". Dr. Mario Ajero

- Article: <https://claviercompanion.com/article-details/flipping-piano-classes-and-lessons-with-rich-online-video-content>
- Tutorial Video: https://youtu.be/L-DVS5gc_TQ
- Applications and Software (Screen Recording)
 - **ScreenFlow**- www.telestream.net/screenflow
 - **Camtasia**- www.techsmith.com/camtasia.html

- **Classroom Maestro**- www.timewarptech.com
 - MIDI app to visualize keys and notes in real-time
 - Notation can display vertically and horizontally
 - Awareness of key signatures and intelligent analysis
 - Available on Mac & Windows
 - Useful for creating instructional videos

- Software to provide content and automated feedback to the student
 - **Piano Marvel**
 - Large library of sequenced pieces in different styles
 - Instant feedback on timing and notes (with connected digital piano)
 - Game-like scores and trophies (with connected digital piano)
 - Teacher access to scores and practice minutes
 - Can create customized assignments

 - **Piano Maestro**
 - Similar features as Piano Marvel
 - Can use acoustic piano for feedback and scores
 - Teacher access to scores and practice minutes
 - Can create customized assignments

 - **Percebe**- <https://www.percebemusic.com/>
 - Method & App developed by Dr. Pitágoras Golçalves
 - Available for Mac and Windows
 - Ability to assess individual performances compared to models
 - Does not punish timing flexibility when done within an acceptable range
 - Videos samples- <https://vimeo.com/349593484>

 - **Musical Minds Online**- <https://www.musicalmindsonline.com>
 - Method by Kristin Yost
 - Available for Mac and Windows
 - Great material for beginner piano lessons
 - Pop style original songs
 - Library of scales, arpeggios

 - **Radda Connect**- <https://www.raddaconnect.com>
 - Platform created by Michelle Schodowski
 - Connects students to teachers (reviewers) online
 - students post videos or audio of performances and teachers write reviews
 - <https://youtu.be/Wfp28eiHcrw>

IV. Real-Time Instruction

Some precursors:

- Mark Miller- studio- <http://pianoweb.com/>
Teaching by the telephone
<http://pianoweb.com/fox-news-chicago-features-mark-millers-unique-teaching-method/>
- Hugh Sung- <https://www.youtube.com/watch?v=z2oedgqs7JQ>

V. Getting start with a basic setup

- Computer or mobile device
- Built-in microphone and camera
- High-speed internet connection
- Video conferencing Apps: Skype, FaceTime, Google Hangouts, ZOOM

VI. Equipment :

Basic Setup/Mobile Package-teacher or student

1. iPad or iPhone
2. Skype, FaceTime or Zoom
3. Microphone condenser
Shure Digital Condenser Microphone
<https://www.shure.com/en-US/products/microphones/mv5>
4. Bose Sound Link Mini Bluetooth Speaker https://www.bose.com/products/speakers/wireless_speakers/soundlink_mini_i.html?mc=K2861305#&v=soundlink_mini_ii_pearl

Enhanced Setup /Studio- teacher or student

More Elaborated- Items 1 to 6

Premium-Items 1 to10

1. Laptop or computer
2. Skype, Facetime, Google Hangouts, Zoom
3. Microphone condenser
 - Blue Microphone Snowball Ice Condenser
http://www.bluemic.com/snowball_ice/
 - Samson Meteorite USB Condensed Microphone
<http://www.samsontech.com/samson/products/microphones/usb-microphones/meteorite/>
 - Samson Go Mic Portable USB Condenser Microphone
<http://www.samsontech.com/samson/products/microphones/usb-microphones/gomic/>
 - Shure Motiv MV51 (computer , Iphone, Ipad)
<http://www.shure.com/americas/products/microphones/motiv/mv51-digital-large-diaphragm-condenser-microphone>
 - Samsom G Track USB Condenser <http://www.samsontech.com/samson/products/microphones/usb-microphones/gtrack/>

- Zoom Recorder H4n
<https://www.zoom-na.com/products/field-video-recording/field-recording/zoom-h4n-handly-recorder>
 - Zoom Recorder Q2N-4K
<https://www.zoom-na.com/products/field-video-recording/video-recording/zoom-q2n-4k-handly-video-recorder#overview>
4. Speakers/ Sound System
- Bose SoundLink Color Bluetooth Speaker II
https://www.bose.com/en_us/products/speakers/portable_speakers/soundlink-color-bluetooth-speaker-ii.html#v=soundlink_color_ii_black
 - Samsung HW-J355 Sound bar and Subwoofer
<http://www.samsung.com/us/video/home-audio/HW-J355/ZA>
 - Bose Sound Touch Stereo JC Series II Wi-Fi music system
https://www.bose.com/products/speakers/wireless_speakers/soundtouch-stereo-jc-series-ii-wi-fi-music-system.html
5. HD Webcams
- Logitech HD Pro Webcam C920, 1080p
<http://www.logitech.com/en-us/product/hd-pro-webcam-c920>
 - Logitech Broadcaster Wi-Fi Webcam
<http://support.logitech.com/product/broadcaster-wifi-webcam>
 - Zoom Q8- HD Video/ Four Track Audio Recording
<https://www.zoom.co.jp/products/field-video-recording/video-recording/zoom-q8>
 - Zoom Recorder Q2N-4K
<https://www.zoom-na.com/products/field-video-recording/video-recording/zoom-q2n-4k-handly-video-recorder#overview>
6. Accessories: Cables, Stands (webcam, iPhone, iPad)
- USB extension chord
http://www.amazon.com/AmazonBasics-Extension-Cable--Male--Female/dp/B001TH7GUU/ref=sr_1_1?ie=UTF8&qid=1436354682&sr=8-1&keywords=usb+extension+chord
 - HDMI Cable & Extension chord
https://www.amazon.com/AmazonBasics-High-Speed-Female-Extension-Cable/dp/B01D5H91KE/ref=sr_1_3?crd=8LFGOXMEF6JS&dchild=1&keywords=hdm+extension+cable+10+ft&qid=1584426441&s=electronics&prefix=hdm+extension%2Celectronics%2C189&sr=1-3
 - Webcam stand
https://www.amazon.com/AmazonBasics-Lightweight-Tripod-Bag-4-Pack/dp/B07GWYVLN6/ref=sxin_2_ac_d_pm?ac_md=4-2-QWJvdmUgJDUw-ac_d_pm&crd=1QIDZX3IJGXF&cv_ct_cx=webcam+tripod&dchild=1&keywords=webcam+tripod&pd_rd_i=B07GWYVLN6&pd_rd_r=59a4aa3f-da57-4864-908e-1a1e326061bc&pd_rd_w=8PkK&pd_rd_wg=EYWy&pf_rd_p=0e223c60-bcf8-4663-98f3-da892fbd4372&pf_rd_r=FTS4M0J3DTGXWZYRVJ1X&pvc=1&qid=1584426786&s=electronics&prefix=webcam+%2Celectronics%2C185

10. Bluetooth Page Turners

- Donner Wireless Page Turner

https://www.amazon.com/Donner-Bluetooth-Turner-Tablets-Rechargeable/dp/B06XNW9LRP/ref=sr_1_1?dchild=1&key-words=donner+bluetooth+pedal&qid=1584428877&s=electronics&sr=1-1

- Page Flip- <http://www.pageflip.com/pageflipCicada.html>

- Air Turn- <http://store.airturn.com/airturn-duo/>

VII. Possibilities

- Online Piano lessons
https://www.youtube.com/playlist?list=PLSXoaL_YRB3NmawA1hp9N6NXoNSx3kFtP
- Online Masterclasses
<https://www.youtube.com/watch?v=ODkuIZalUao>
- Online workshops
- Live Broadcasting
- https://www.youtube.com/watch?v=l-UK-H0_oyc
- Video Exchanging with students

VIII. How to get paid

- Paypal- www.paypal.com
- Transferwise- www.transferwise.com

IX. Important Considerations

- Internet connection- wired vs Wi-Fi
Speed test- www.speedtest.net
PS- It is recommended that the download and upload speed be at least 10Mbps.
- Lighting
- Echo, external noises

X. Internet MIDI- www.timewarptech.com

Demonstration Online Performance- <https://www.youtube.com/watch?v=ybD8YvXCnGk>

- Connects MIDI instruments (technology-equipped pianos) over the internet
- Virtually playing each other's instrument
- Available for Mac & Windows

Contact

João Paulo Casarotti, DMA (NCTM)
Southern University A & M College, Louisiana, LA
Website: jpcasarotti.com
Email- jpcasarotti@gmail.com