iPad Sharing Session

Floyd Richmond Houghton College floyd.richmond@houghton.edu

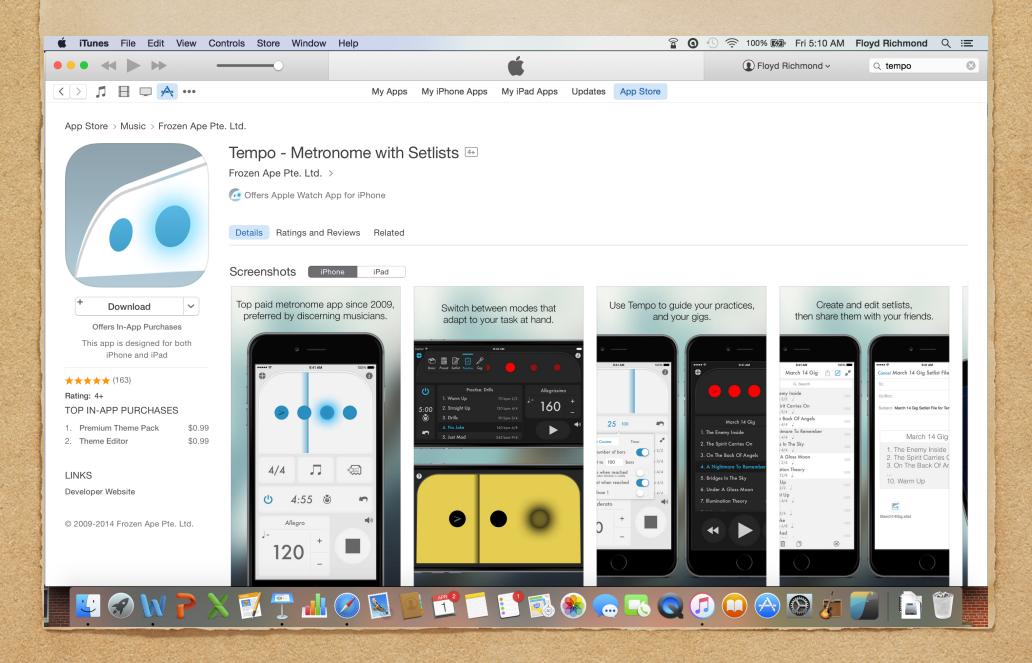
New York State School Music Association Rochester, NY November 30, 2017 http://floydrichmond.com/nyssma2017/

iPad Apps

Metronomes

◆ Tempo

Tempo - A practical and thoughtfully designed metronome.

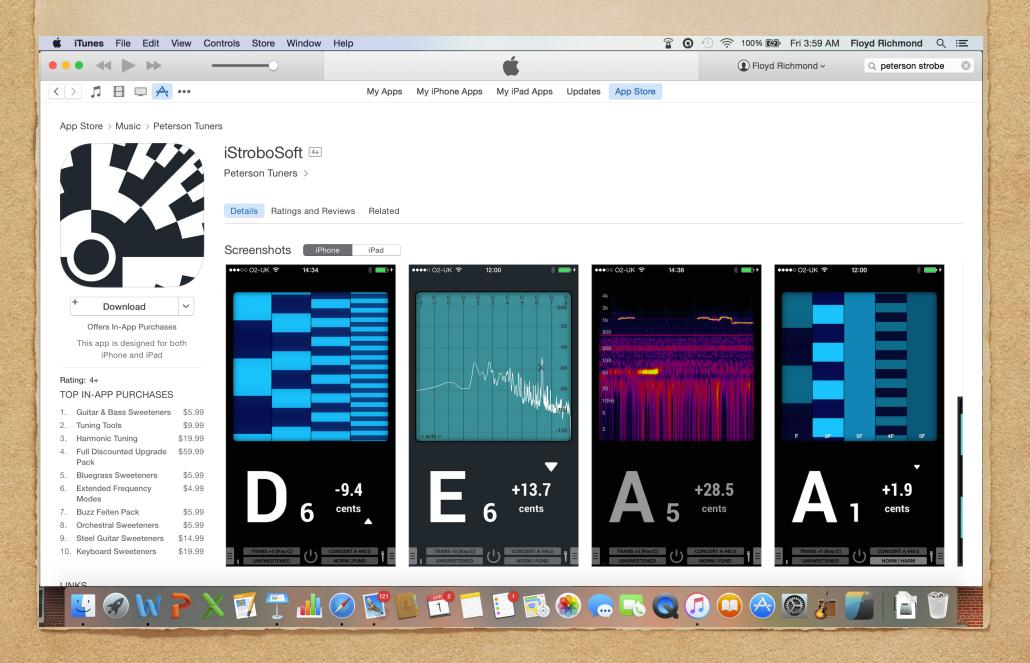


iPad Apps

Tuners

• iStroboSoft

iStrobeSoft - iPad "strobotuner" Easy to read tuning levels.

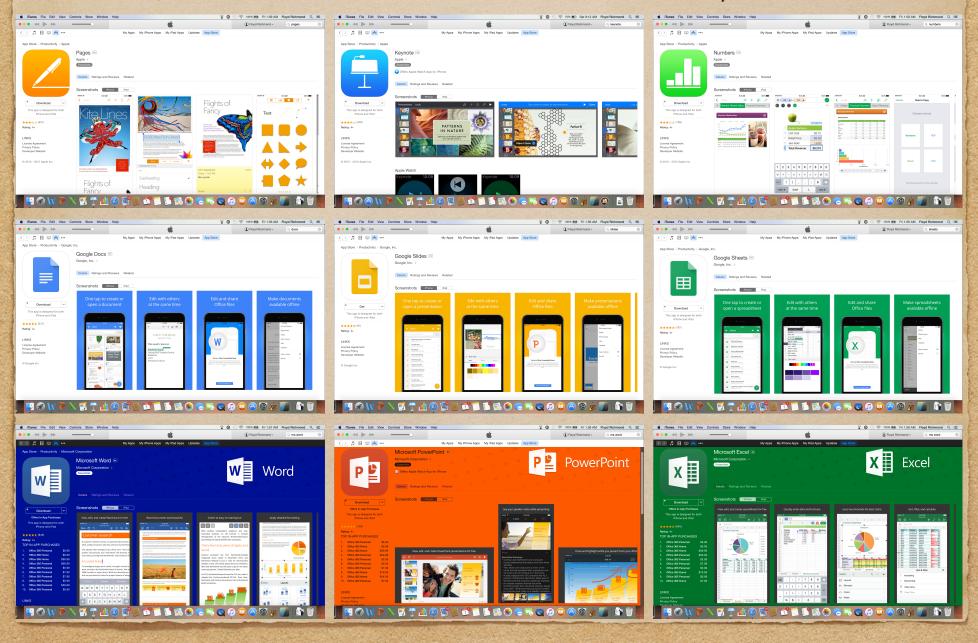


iPad Apps

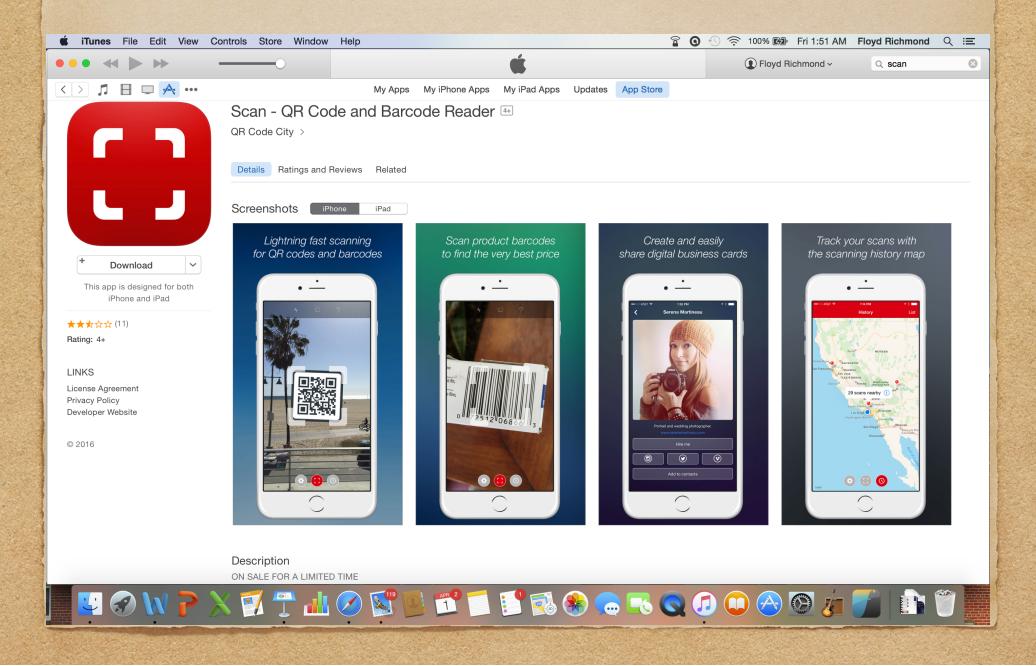
Productivity Software

- APPLE: Pages, Keynote, Numbers
- MICROSOFT: Word, PowerPoint, Excel
- GOOGLE: Docs, Slides, Sheets
- Scan, Turbo Scan, Genius Scan, TinyScan

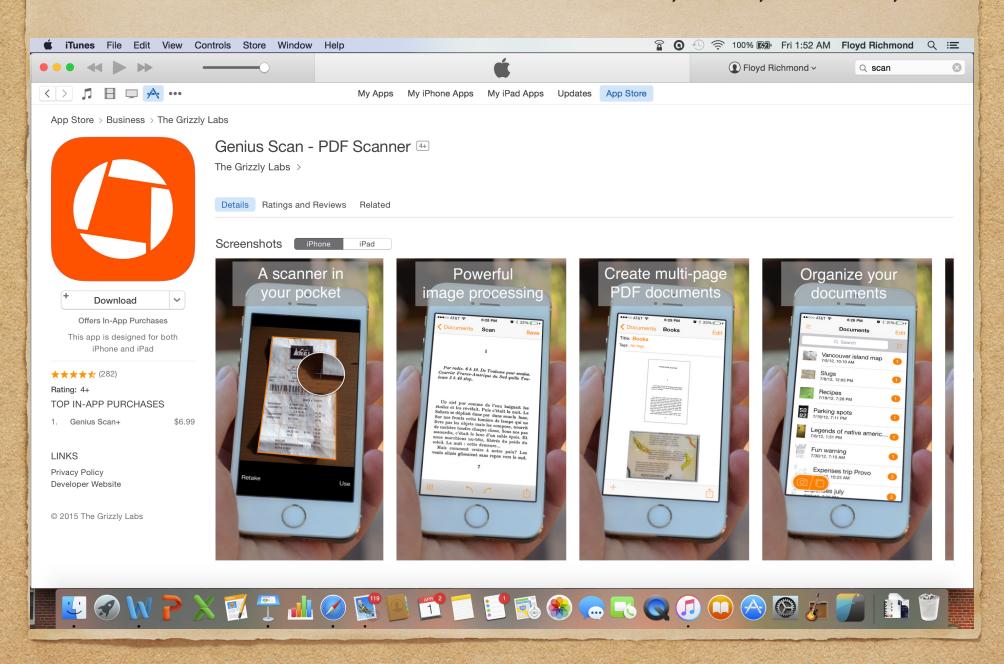
Apple, Google, and Microsoft Productivity Programs: Word Processor, Presentation, and Spreadsheet



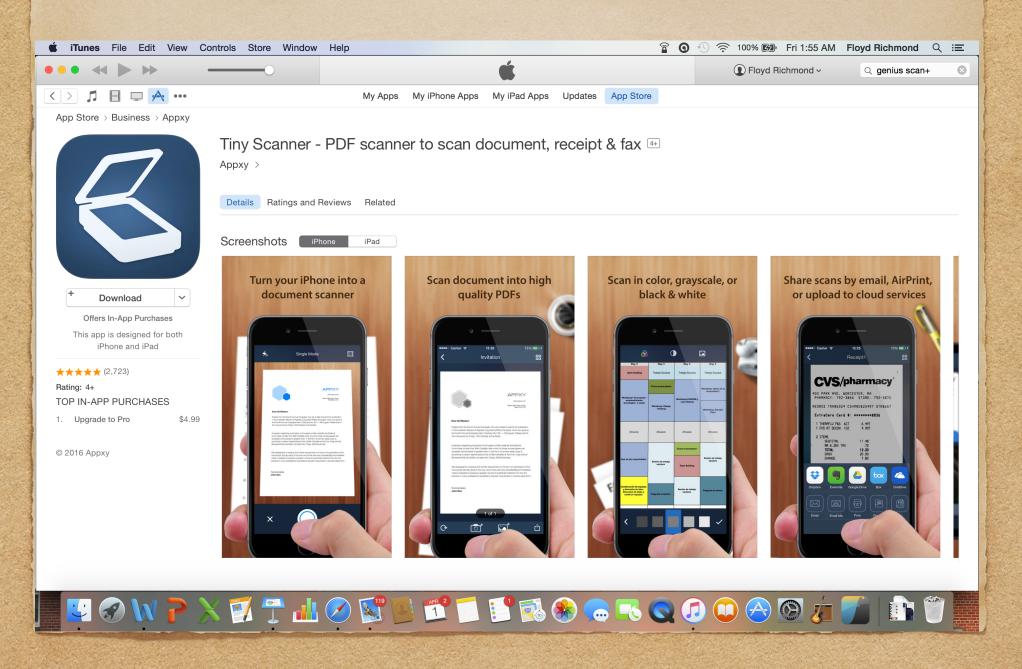
Scan - quick way to read a QR code.



Take Pictures - combine and share as PDFs, keep receipts in one place.



Tiny Scanner - another scanner program.

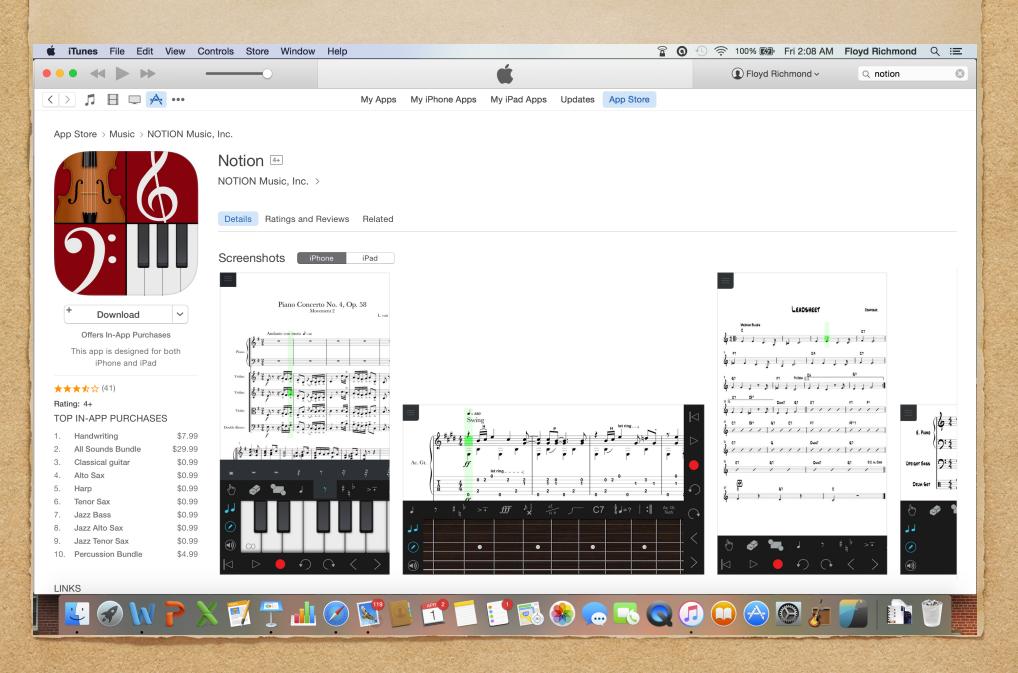


iPad Apps

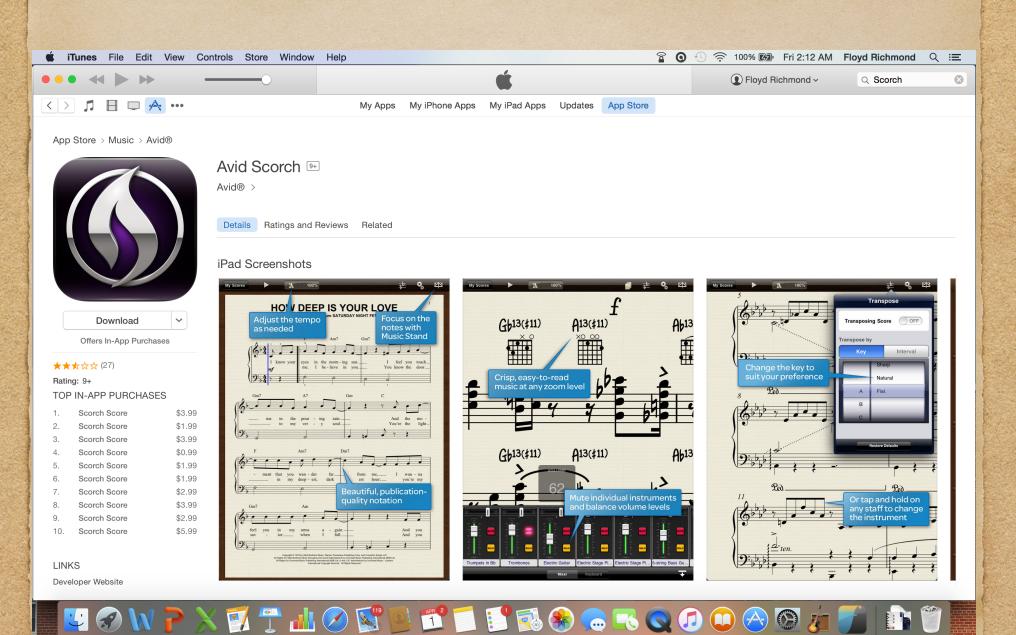
Notation Apps

- Notion (Editor)
- Scorch (Reader for Sibelius)

Notion - Premier notation editor for iPad with MIDI & handwriting entry.



Scorch - an iPad Reader for Sibelius Files

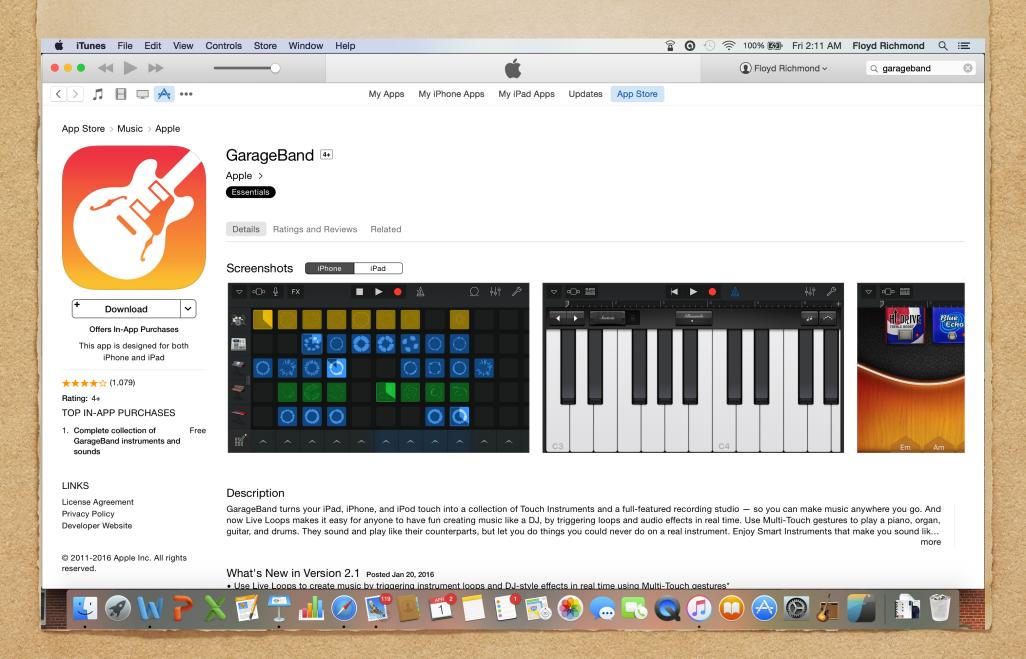


iPad Apps

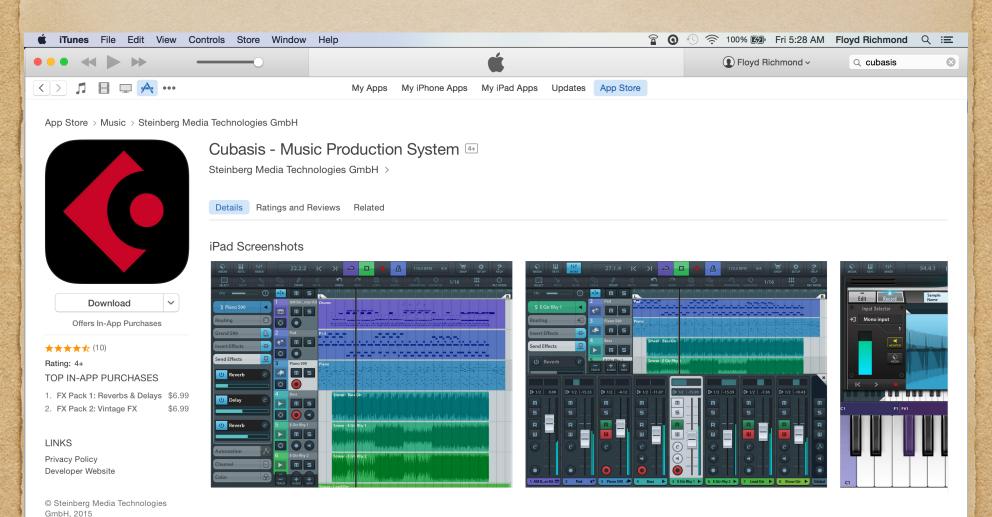
Production

- GarageBand
- Cubasis
- Auria
- Multitrack DAW

GarageBand - Music Production, Recording, Loops, Instruments, DJ Software.



Cubasis - Pro-Level production program, MIDI inputs and outputs!

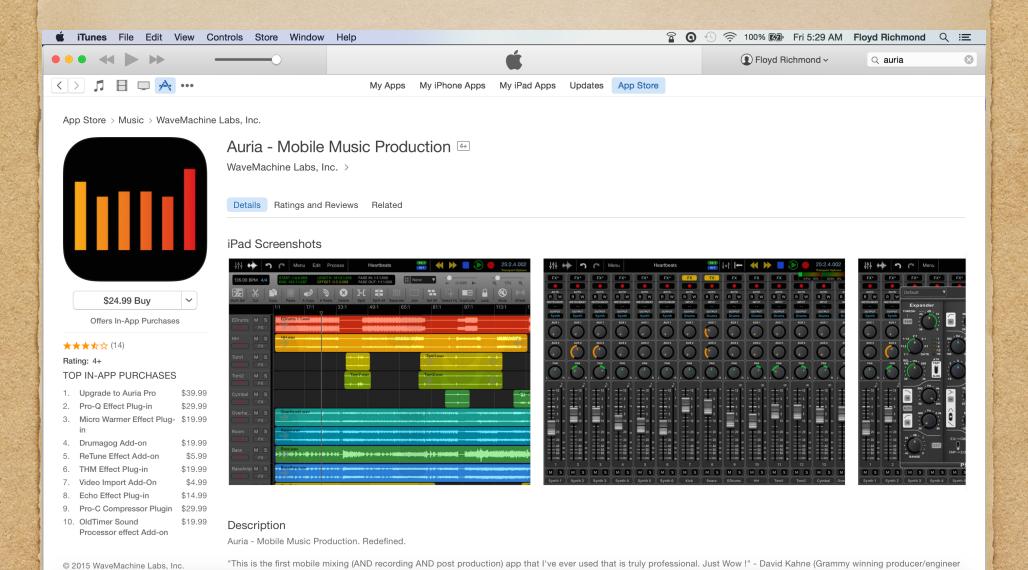


Description

Cubasis is Steinberg's streamlined, multitouch sequencer for the iPad. Specially designed for quick and easy operation, Cubasis makes recording, editing and mixing a breeze. Record tracks in high-resolution audio quality, and edit your music with the Key and Sample Editors, while the included mixer and audio effects polish your song to perfection. Cubasis comes loaded with three virtual instruments which can be played in real time using the virtual keyboard and drum pads. Cubasis' projects can be even opened in Cubase under Windows and OS X! Cubasis places touch-intuitive production tools in your hands, opening up a new world of possibilities for your creativity.

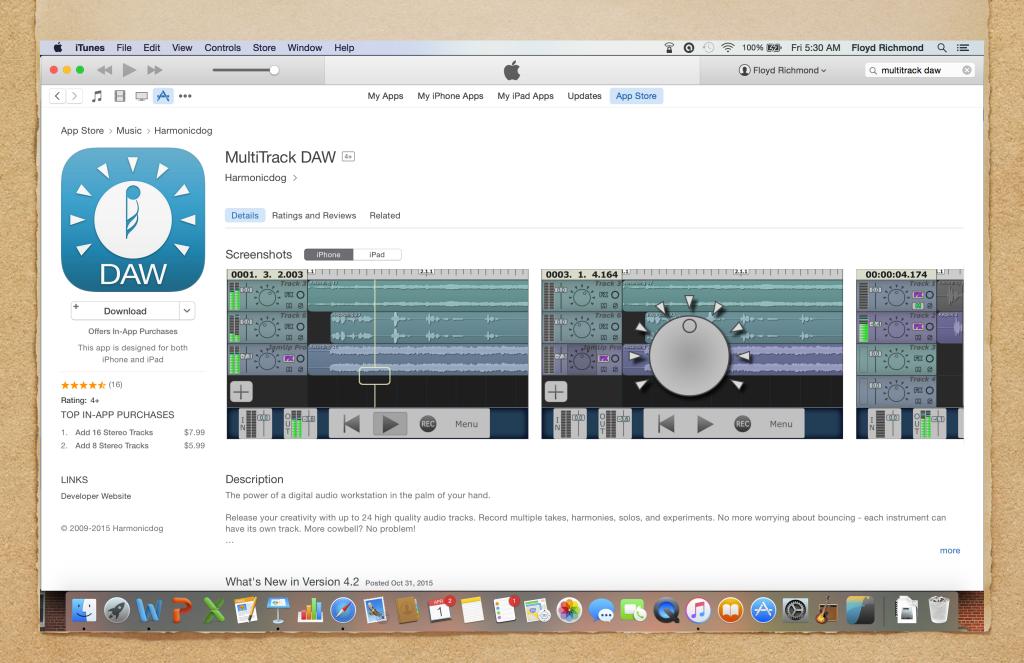


Auria - Pro-Level production program, 24 to 48 channels, depending on version.



for Paul McCartney, Tony Bennett, Stevie Nicks, Sublime, The Bangles, Ingrid Michaelson, Regina Spektor)

Multitrack DAW - Basic production program with some nice reverb and effects!

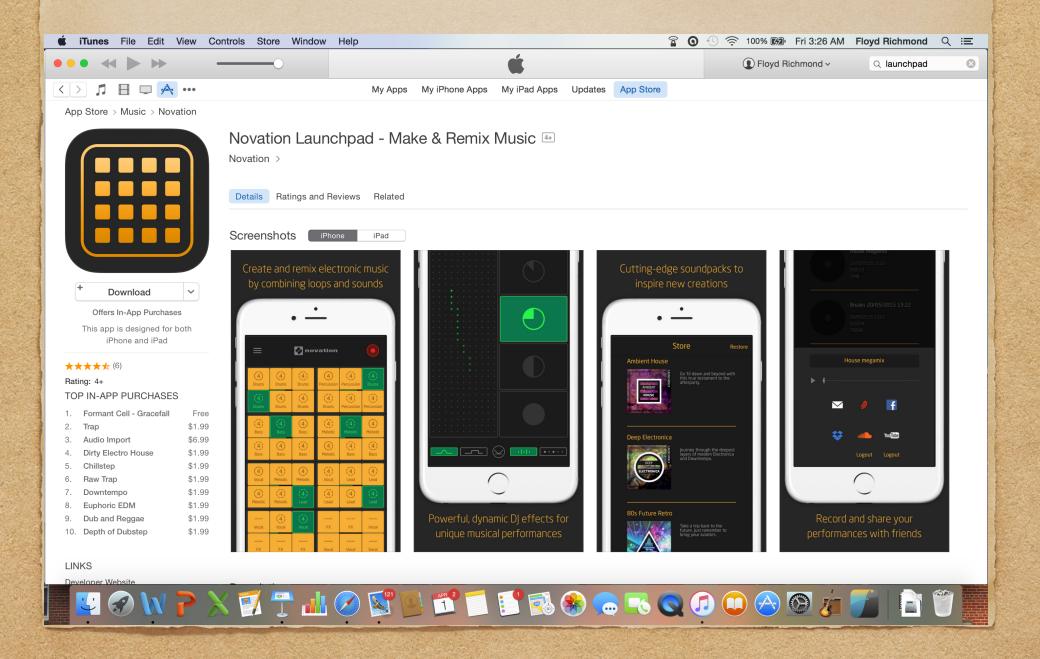


iPad Apps

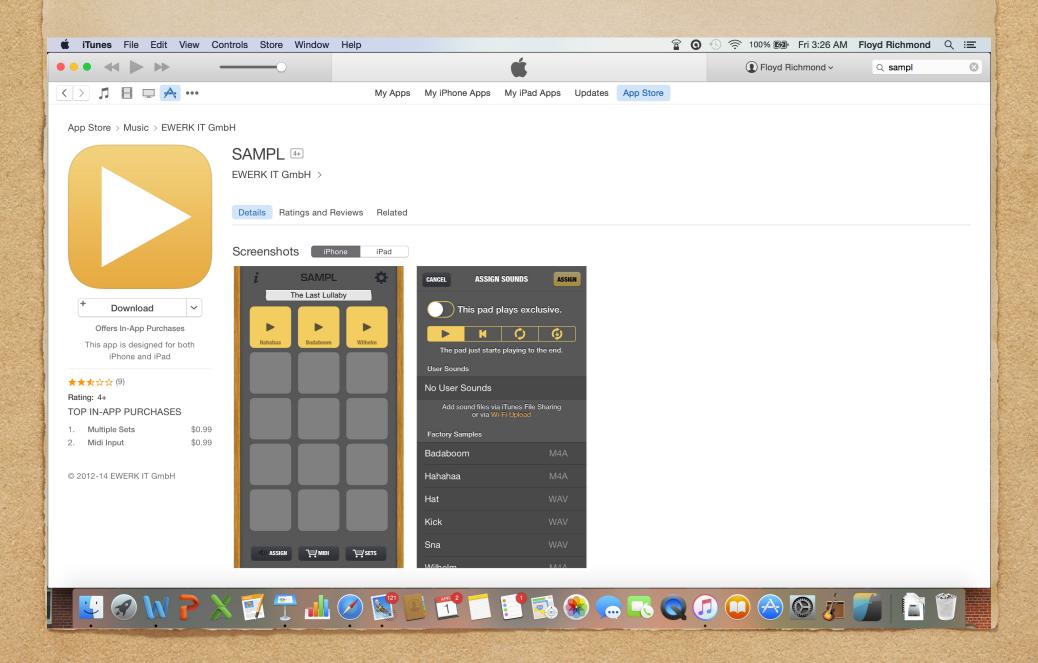
Unique Production

- Launchpad
- ◆ Sampl
- Every Day Looper
- · Loopy HD
- ◆ iReal Pro

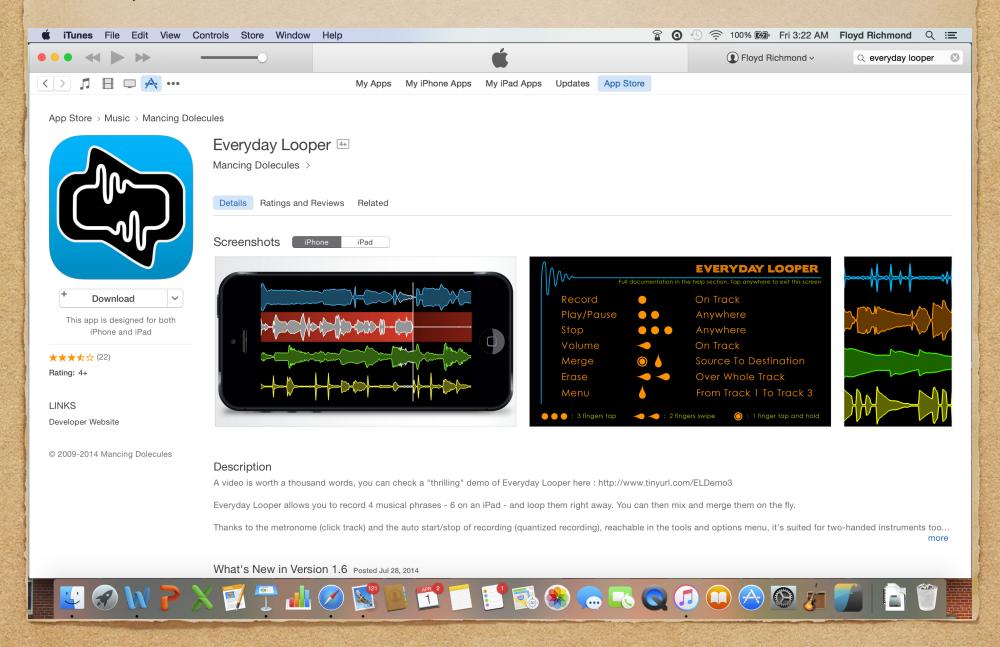
LaunchPad - Program for creating DJ Mixes, similar to Ableton Live.



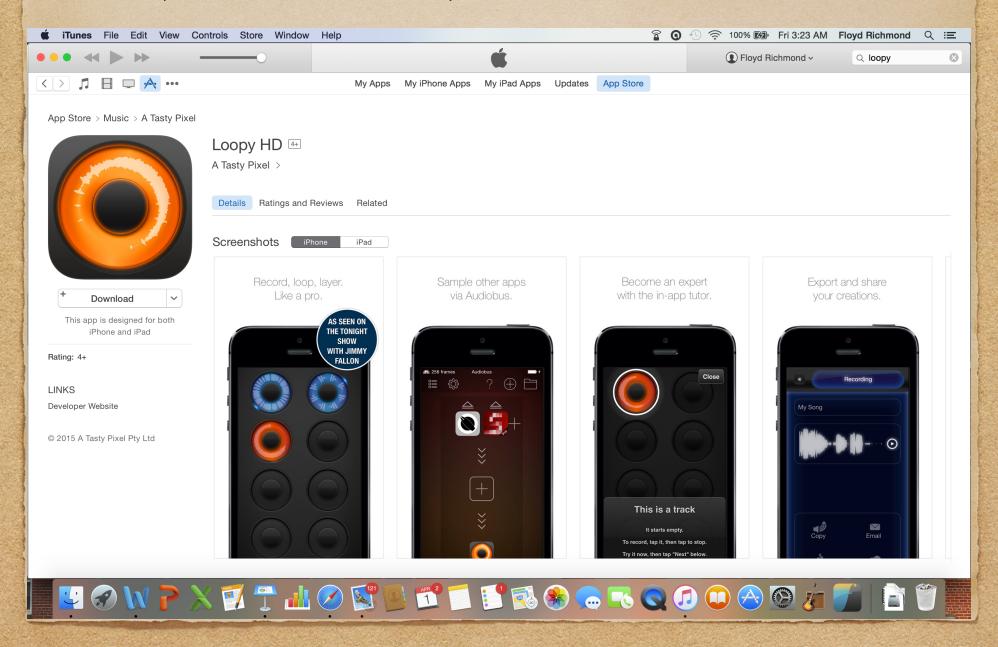
SAMPL - Load each slot with a pre-recorded sound, and play on cue.



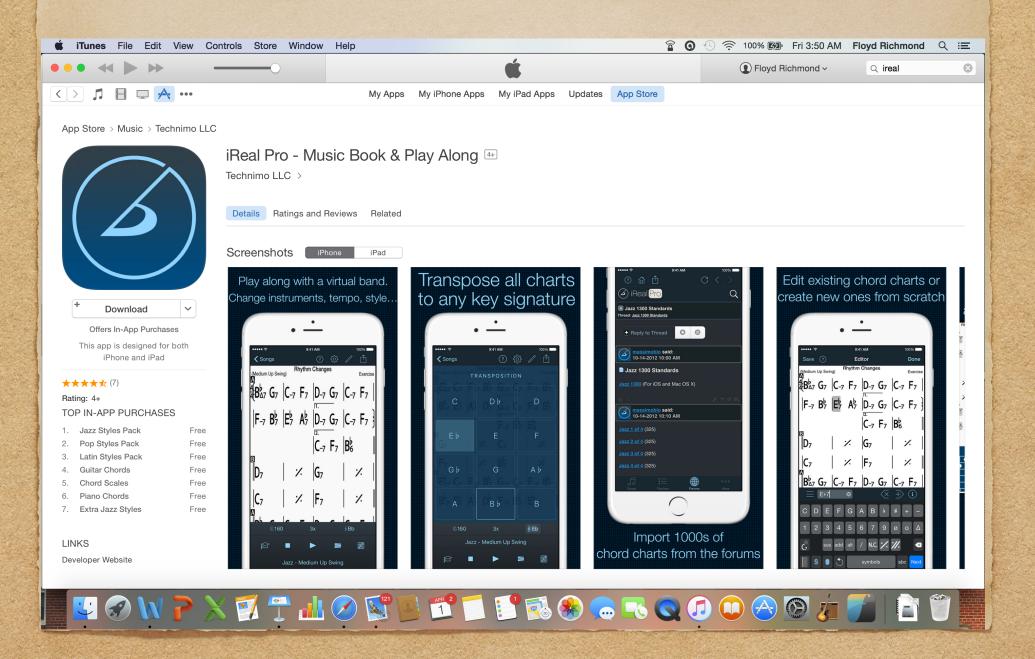
EveryDayLooper - Great program for creating loops. See: https://www.youtube.com/watch?v=FWmhk8sxMy0



Loopy HD - Looping software. See: https://youtu.be/cU-eAzNp5Hw



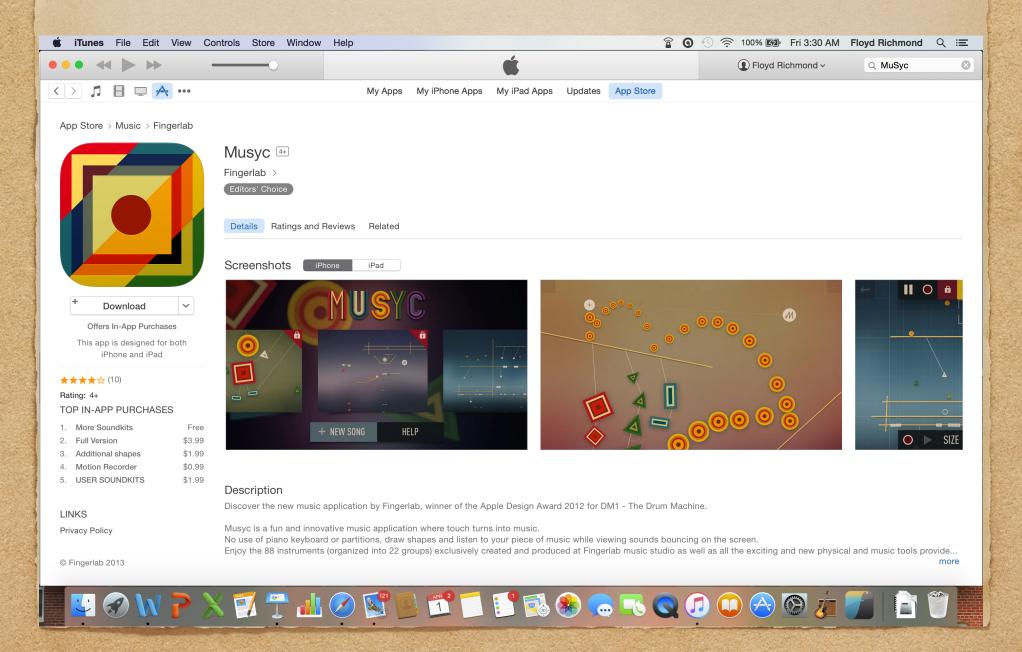
iReal - Like Band-In-A-Box for iPad. enter chords, choose style, listen.



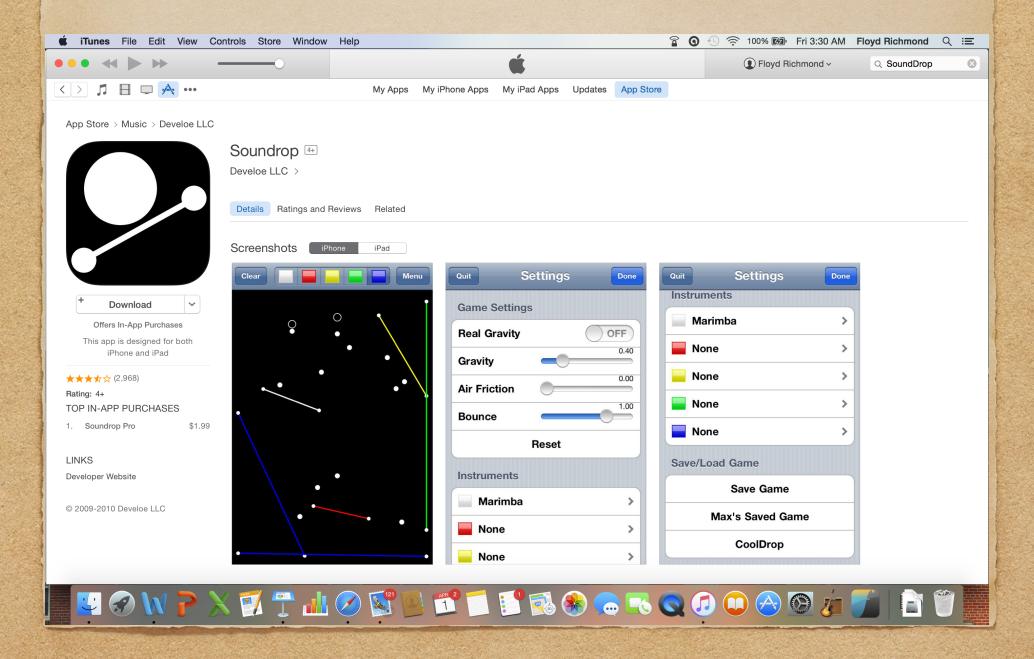
iPad Apps Unique Production

- MuSyc
- SoundDrop
- Rebirth

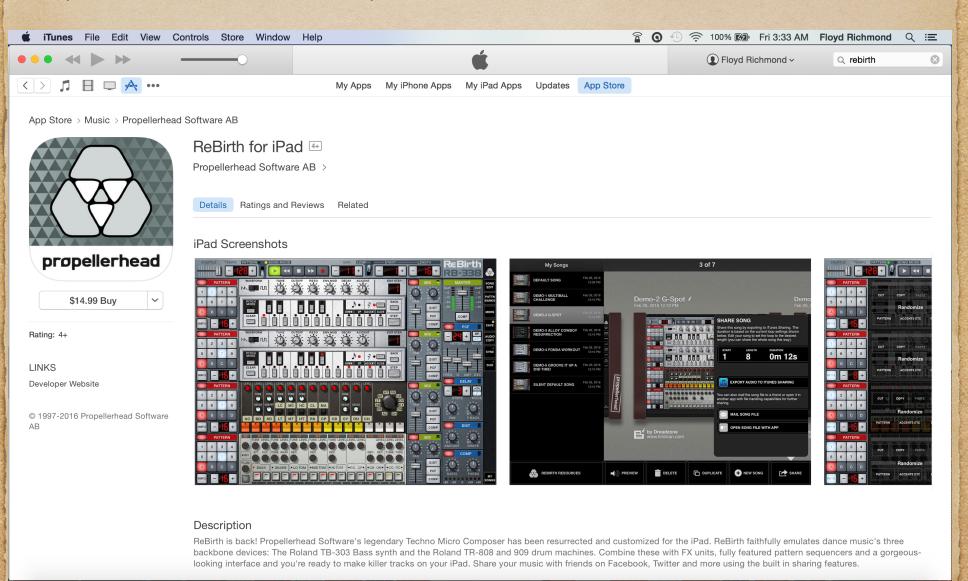
MuSyc - Build a music machine, great sound exploration tool.



Soundrop - Draw lines and place them under the bouncing balls to compose.



Rebirth - Run app, press play, listen to hip hop. Press buttons on screen to edit. Very complex overall, but useful for experimenting with music even if you don't understand it.

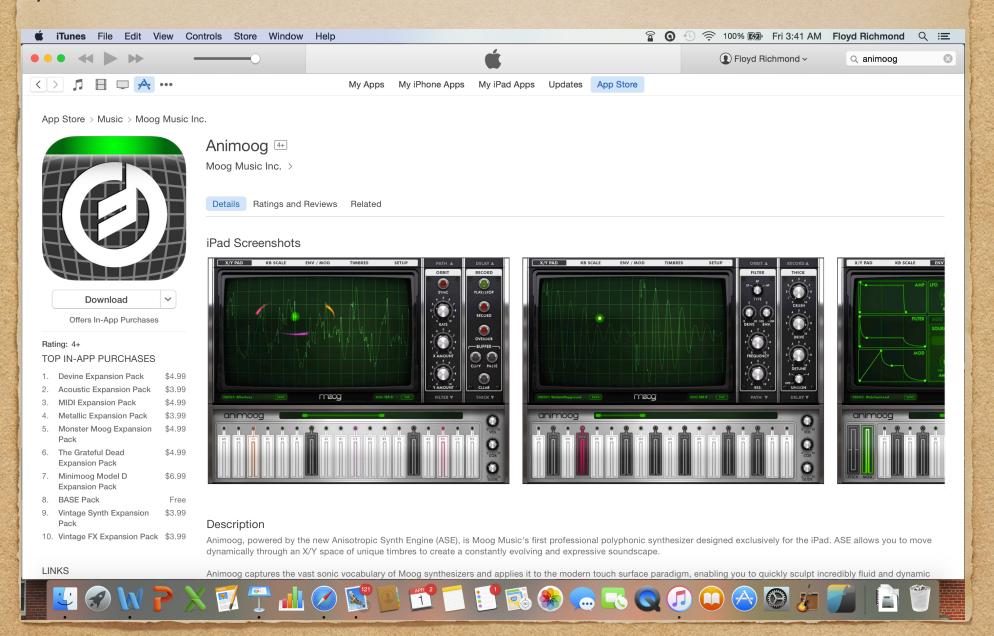


iPad Apps

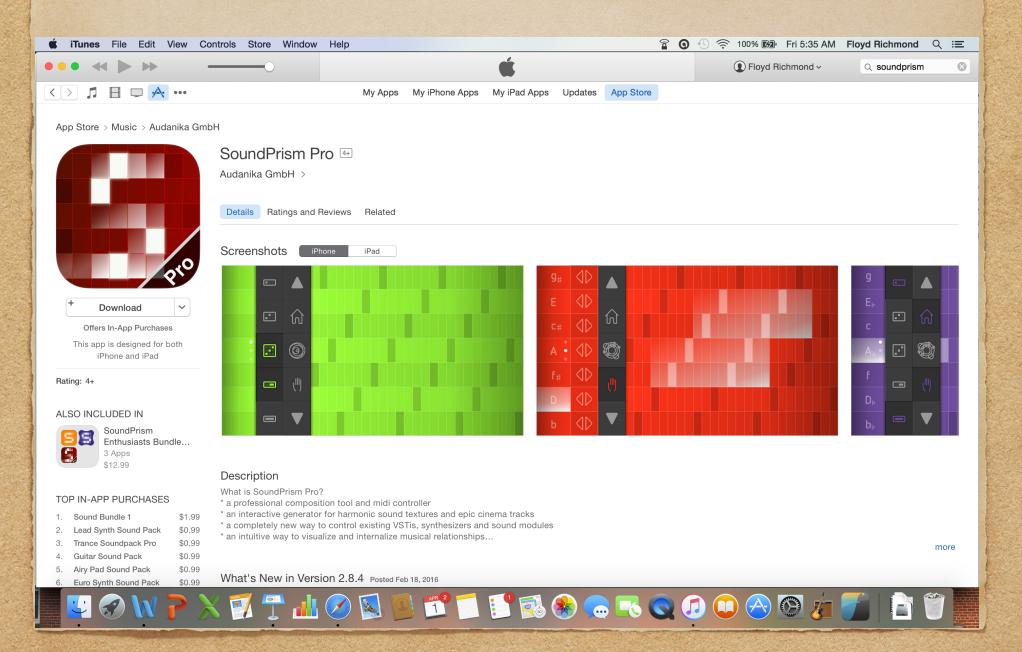
Instruments

- GarageBand
- Anímoog
- · SoundPrism Pro
- · iM1

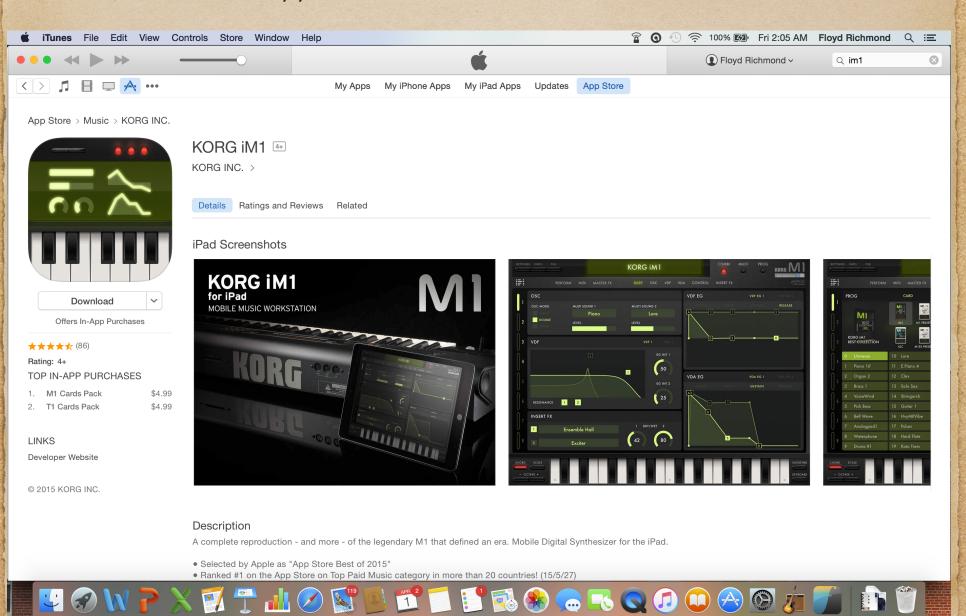
Animoog - Run the program (default keyboard at the bottom is pentatonic), just play. Twist knobs to change sounds. From Moog music (made Moog synthesizer)



SoundPrismPro - Like an electronic autoharp, but with many more features.



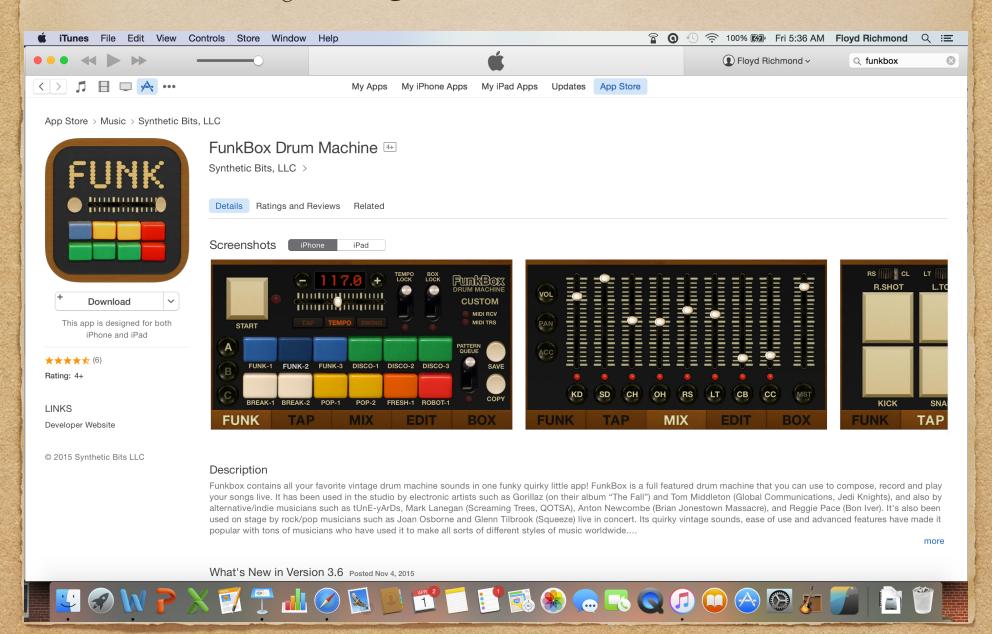
iMI - a virtual MI keyboard with 100s of sounds. Play from the screen or using a MIDI keyboard (with Apple's Camera connection kit).



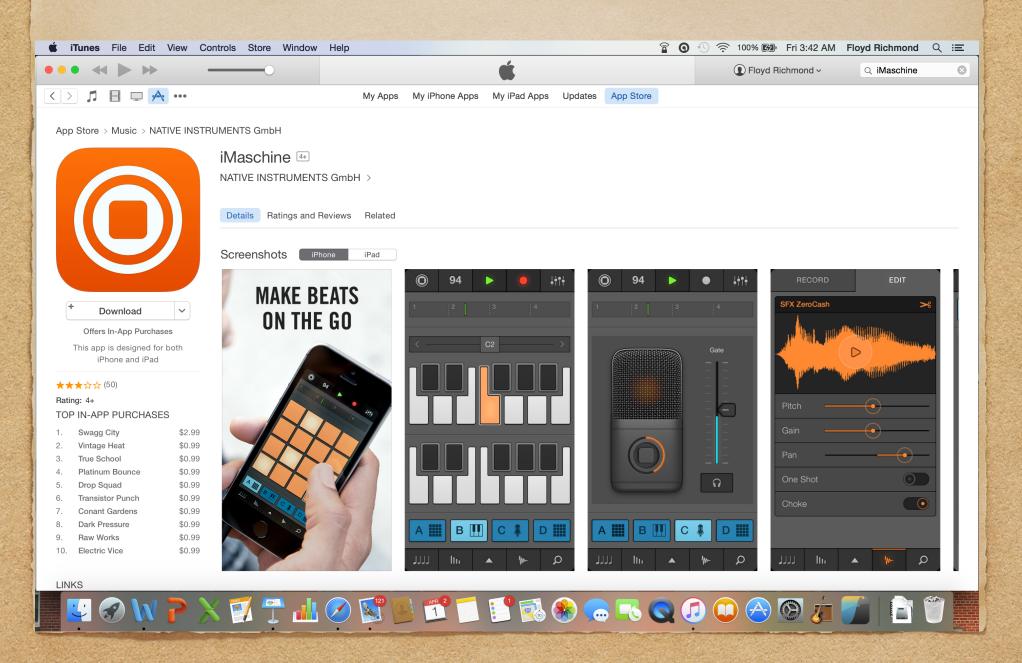
iPad Apps Drum Machines

- Funk Box
- iMaschine
- ◆ EasyBeats LE

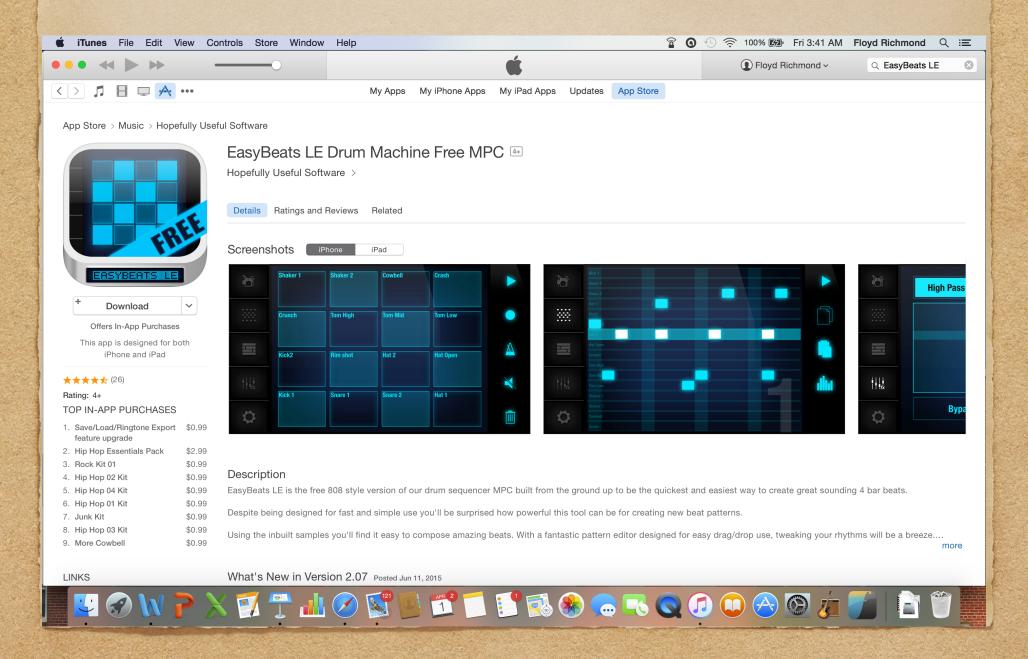
FunkBox - It plays drums, run it, press the 10 big buttons for different patterns and fills. Customize by selecting other drum machines for the buttons to control.



iMaschine Run it, play drums by tapping the sixteen buttons.



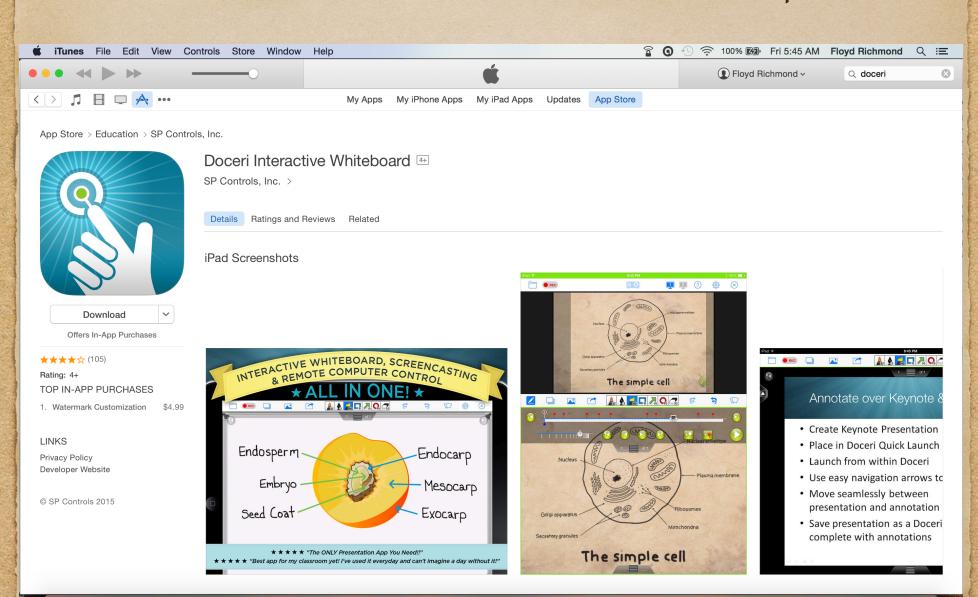
EasyBeats LE - Play drums using sixteen buttons, Record and edit.



iPad Apps Classroom Helps

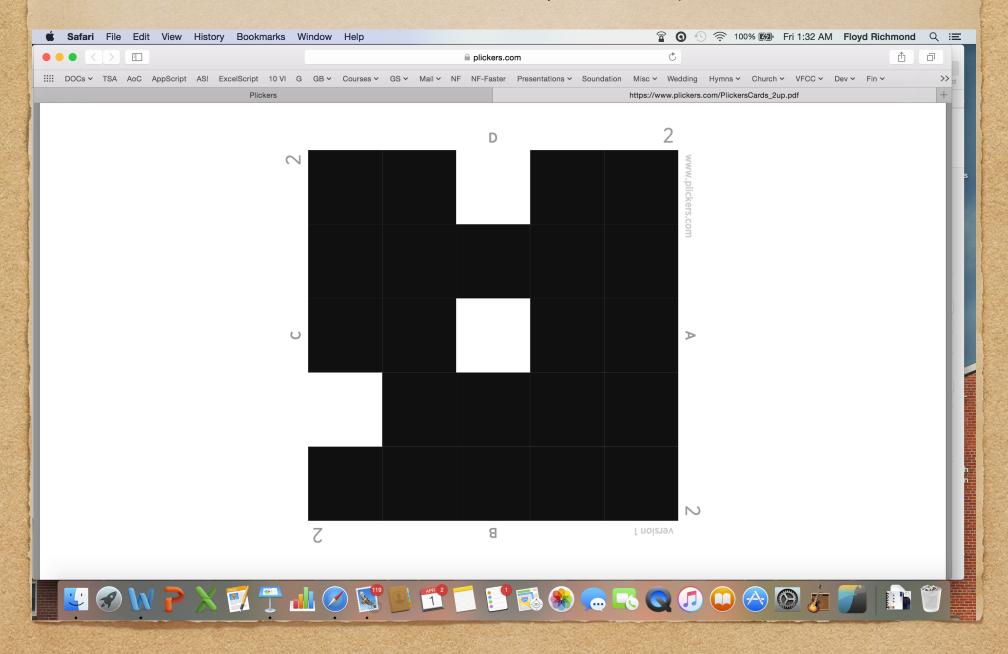
- DoCeri
- ◆ AirServer (Computer App)
- Reflector (Computer App)
- Plickers

Doceri - an interactive whiteboard for iPad and computer.

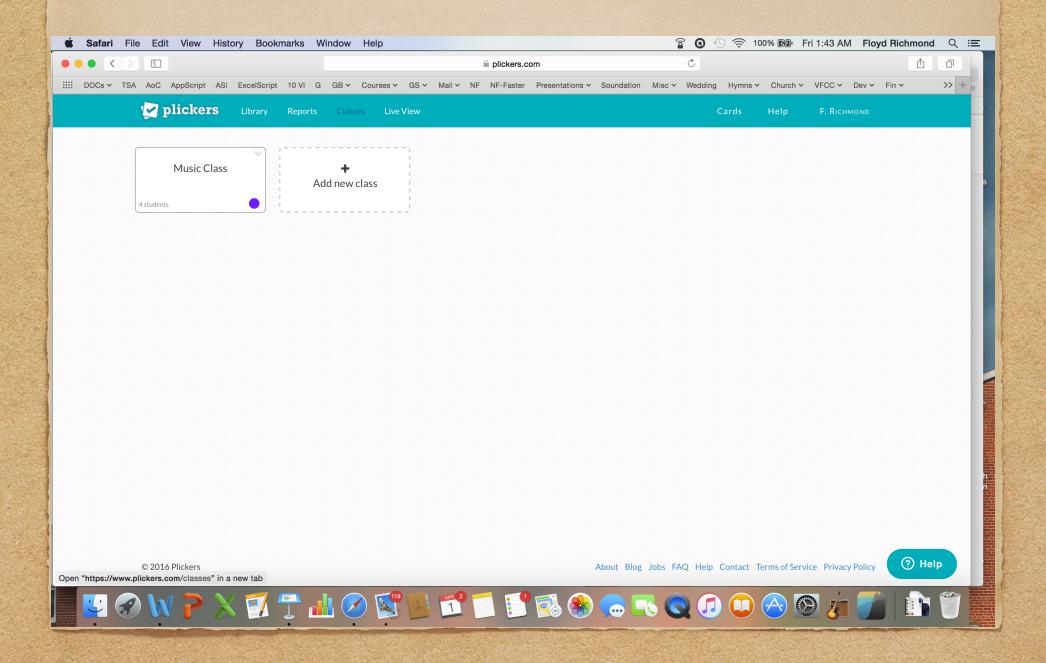


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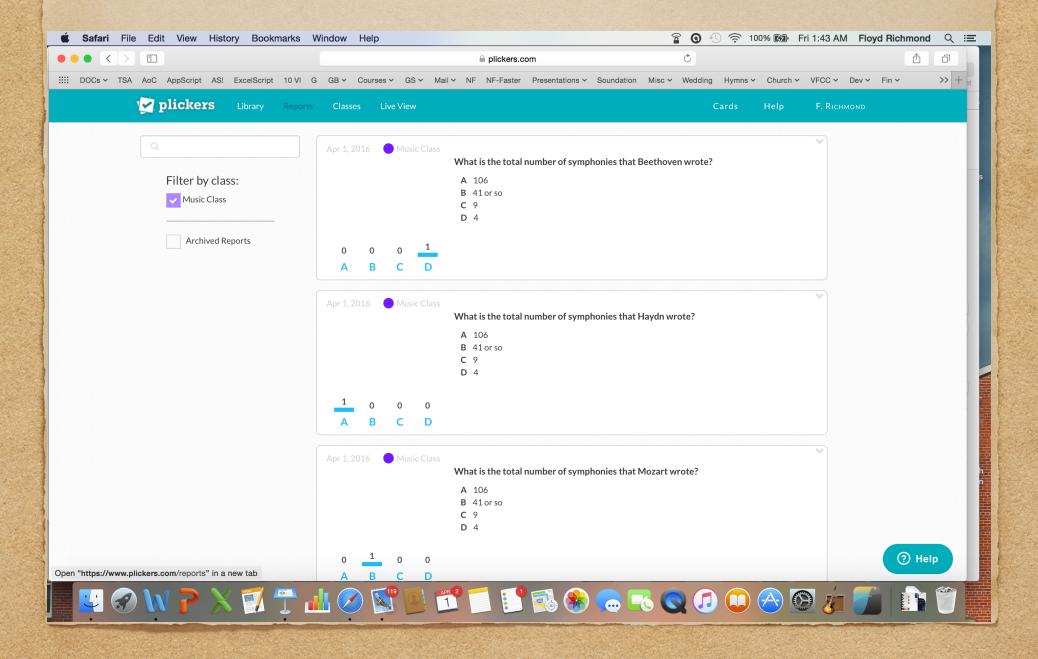
Plickers - print 40 cards (all different and give to students). They rotate them to answer A, B, C, D Multiple choice questions.



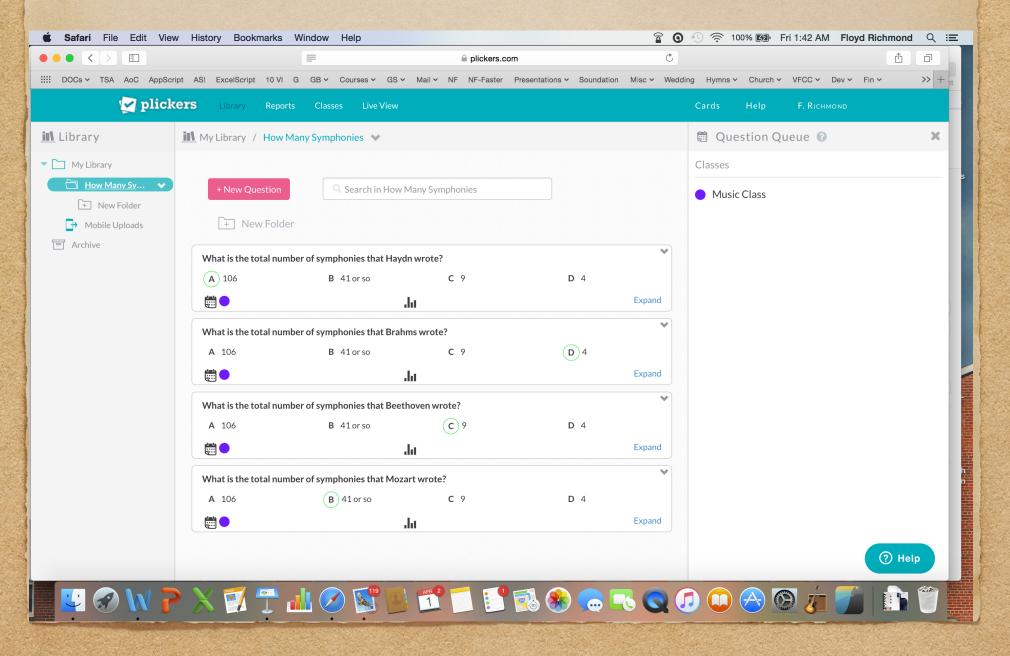
Plickers - On your computer or iPad, create classes, and add students



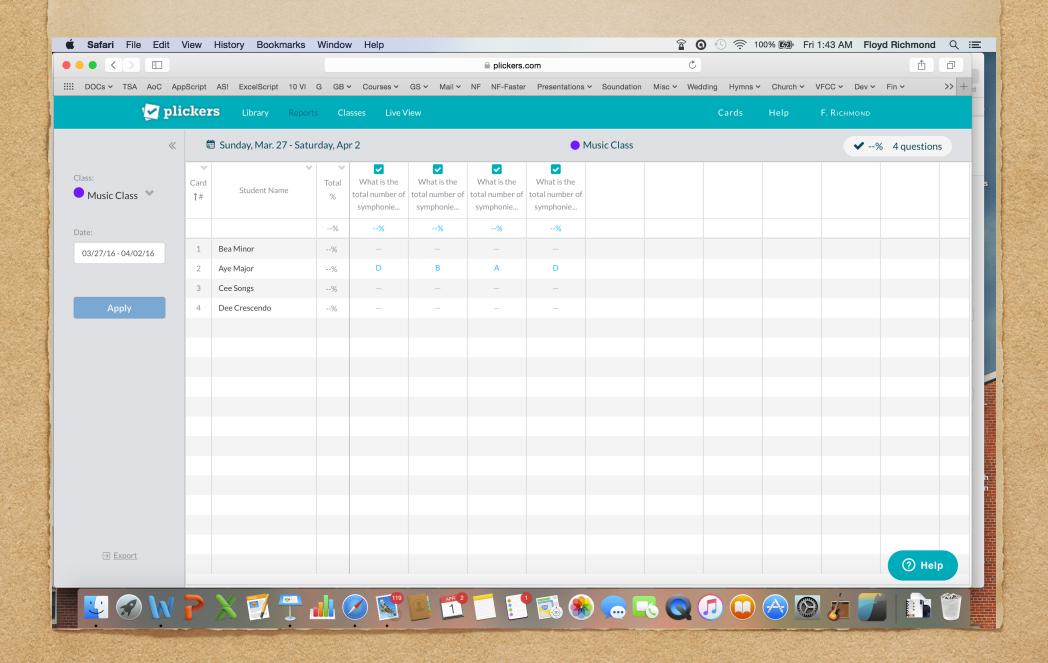
On your computer or iPad, create questions.



Plickers - On iPad, ask questions, and point camera at students holding cards. It calculates results.



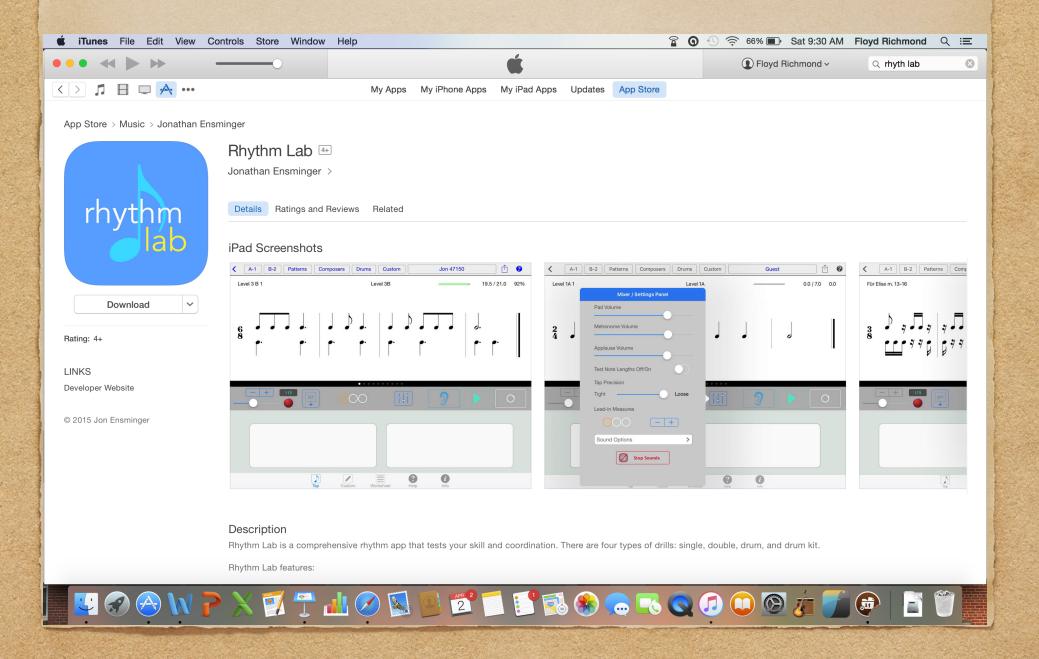
Pluckers - You can see the answers of individual students.



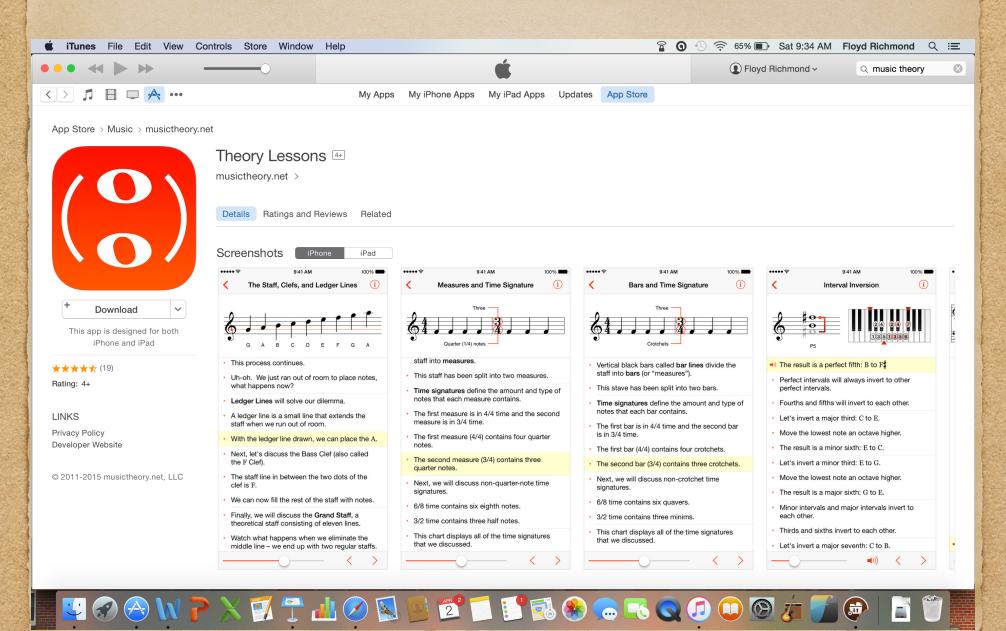
iPad Apps Instructional Software

- RhythmLab
- Theory
- ◆ Tenuto
- ◆ SmartMusic

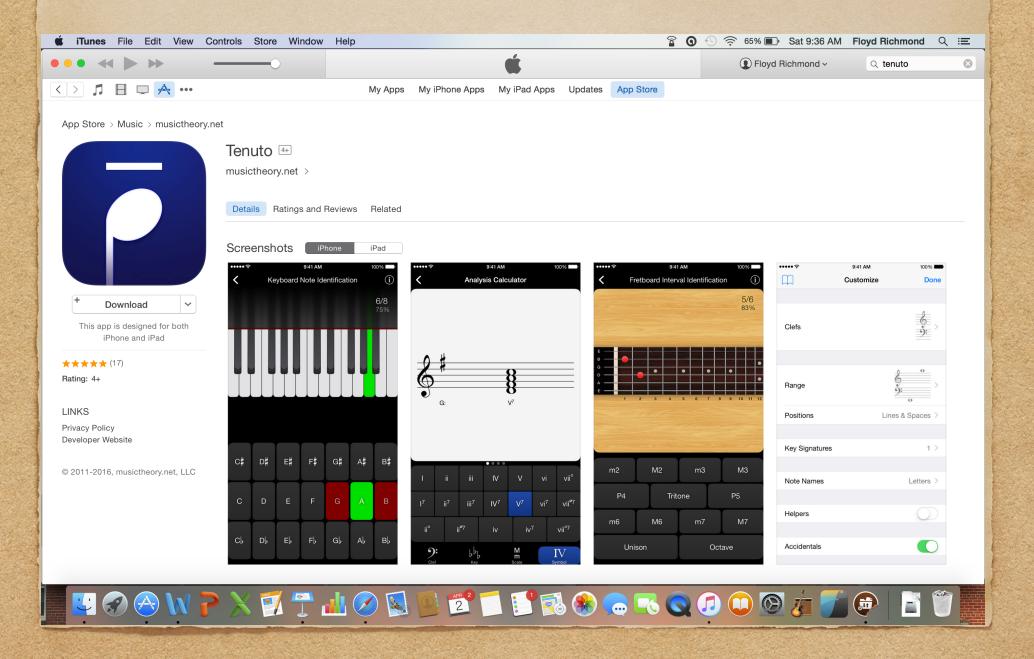
Rhythm Lab - Practice one and two handed rhythms - assessment



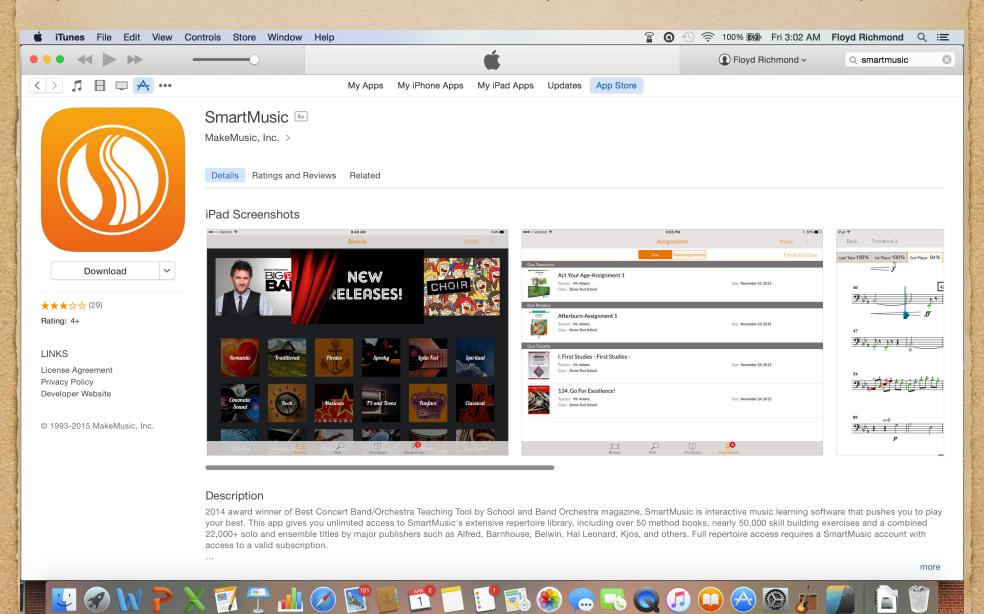
Theory Lessons - by the people who make music theory.net



Tenuto - by the people who make music theory.net



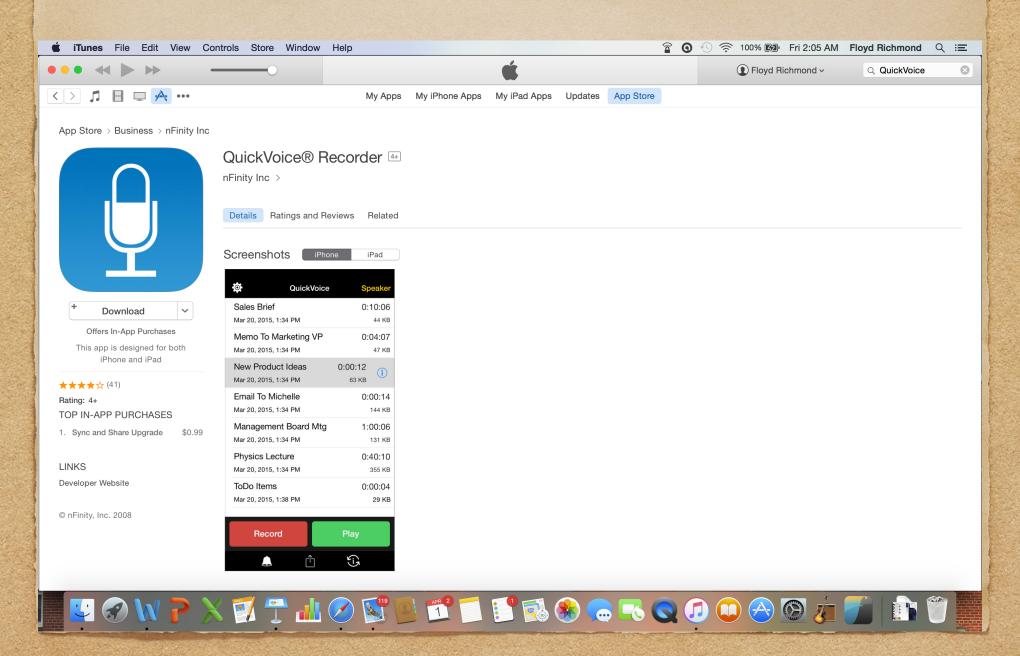
SmartMusic - Accompaniment and assessment tool, large classical and contemporary repertoire including beginning method books. Improvisation and Sight reading practice.



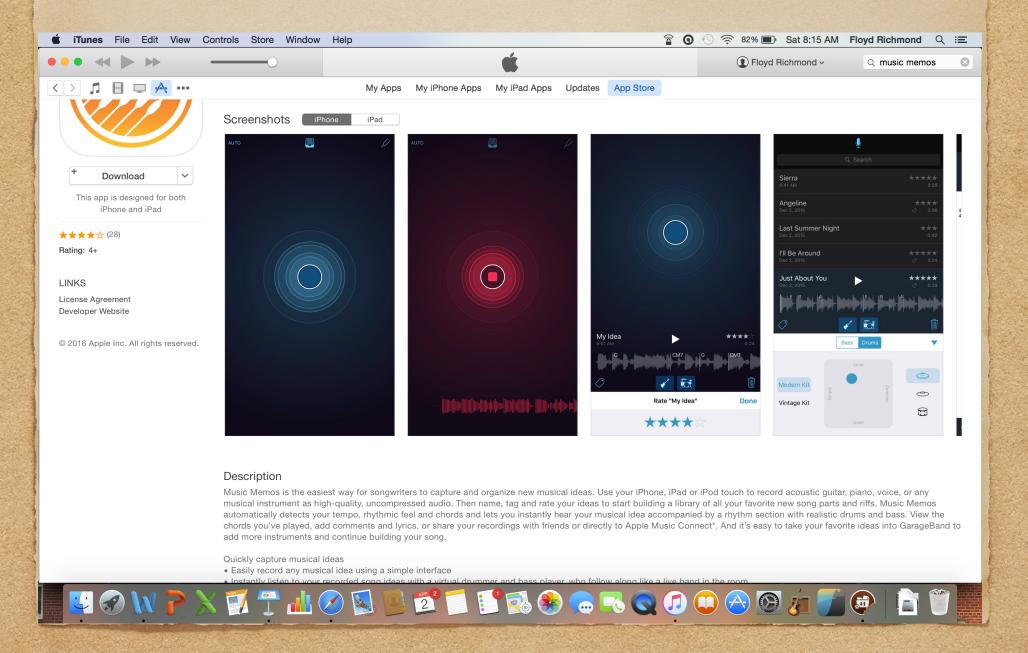
iPad Apps Quick Recording

- · QuickVoice
- Music Memos

QuickVoice - Run the program, press record. E-mail the recording.



Apple Music Memos - Run the program, record musical ideas, automatically add drums and other instruments. Record music, and it will add chords.

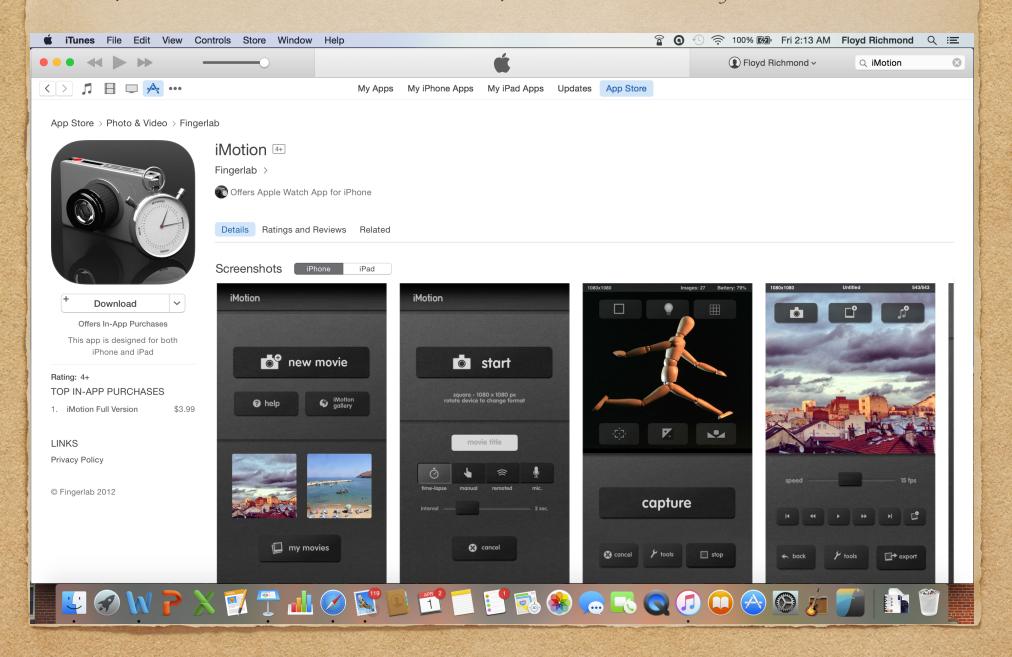


iPad Apps

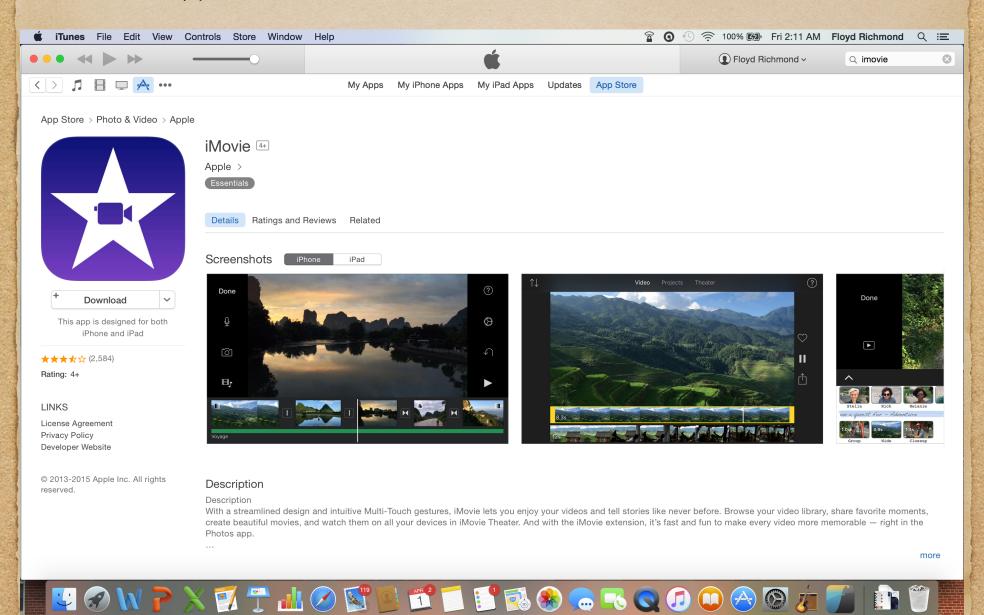
Multimedia - Video

- iMovie
- iMotion

iMotion - Tool for creating stop motion video. Draw fish, move, take pictures, add sound tracks. See https://youtu.be/tCzeXdjALa8



iMovie - edit video that you took on your iPad, trim and arrange, add titles and transitions, apply themes, create trailers, share directly to YouTube, etc.



Other Apps

http://floydrichmond.com/pinellas2015/ http://floydrichmond.com/pinellas2016/ http://floydrichmond.com/pinellas2017/

Scroll down to iPad App Demo (Tuesday Afternoon) See also, Show and Tell (Thursday Afternoon)

Free

(or inexpensive)

- Voice Memo One Pass Recording. What do you do with data (free)
- Drop Box (free)
- Good Reader (free)
- Sound Drop (free)
- Easy Beats LE Show Tutorial Video (free)
- EyDy Looper Demo, Show http://www.youtube.com/
 watch?v=FWmhk8sxMy0, http://www.youtube.com/watch?v=pW5ZcjQ3II0 (5.99)

Yamaha

- Cloud Audio Recording record and send music to Sound Cloud (1.99)
- Keyboard Arp and Drum Pad send arps and drums to MIDI instruments (2.99)
- Synth Arp and Drum Pad send aprs and drums to MIDI (7.99)
- Visual Performer MIDI input creates a visual response (free)

Roland

- Piano Partner flash card ear training and digital scores (free)
- Editors for various Roland devices (free)
- R-MIX Tab for audio manipulation (9.99)

Korg

- iKaoscilator Kaoscilator for ipad or iPhone (19.99)
- iElectribe Electribe for ipad or iPhone (19.99)
- iMS20 MS20 for ipad or iPhone (29.99)
- iPolysix Polysix for ipad or iPhone (29.99)

PreSonus

- SL Remote iPad remote control of Studio Live (free)
- Q-Mix Control AUX or Monitors individually with different iPads (free)
- ABI818 Remote Control Audio Box interface (free)

Hip Hop

- Rebirth by Propellerhead HipHop Loops (9.99)
- Sample Tank for use with iRig but ok as a standalone app ()

Native Instruments

• iMaschine four track layered recording - exports to sound cloud

Garage Band

- Demo Curtain Call
- Creating a new song
- Loops
- Recording tracks (8 measure interface)
- Getting data out of GarageBand

Hardware

- MID Use the Apple Camera Connection Kit
- Audio Purchase an iRig to connect 1/4" input or high quality microphone input. You may also use any audio interface that does not require drivers to input multiple channels at a time.

More Information

• http://www.apple.com/support/ios/garageband/

iMovie

- Create a movie from scratch
 - Capturing Footage
 - Importing Footage
 - Adding Photos
 - Adding Titles
 - Adding Transitions
 - Adding a Soundtrack

iMovie

- Create a Trailer
 - Create Titles
 - Fill in footage for outline

iMovie Tutorials

http://www.apple.com/support/ios/imovie/

GarageBand Activities

Quickstart 1

- Open a Demo Song
- Record a new vocal track

Quickstart 2

- Create a Song Using Only Loops
 - Search"Cuban"
 - Arrange as shown.



Quickstart 3

- Playing and Recording
 Garageband's Instruments
- Keyboard
- Smart Instruments

The GarageBand Sampler

- Using existing samples
- Recording new samples
- Importing samples

GarageBand Controls and Menus

- Settings (Key Signature, Time Signature, Tempo)
- Copy and Paste
- Track Properties (mute, solo, pan, echo, reverb, effects)

Editing a track

- Splitting, joining, looping tracks
- MIDI Editing
 - Quantize, Rhythms, Pitches,
 Octaves, Articulations, Velocity

GarageBand Guitar Tracks

- Amplifiers
- Effects Boxes

Transferring Files

• iTunes File Sharing

Jam Sessions

- Setting Up
- Joining
- Collecting data

Garage Band Ensembles

- Hardware (Mixers, Jam Hub)
- Decades
- Cultures
- Folk Music
- Events
- Just for Fun

Teaching Activities

• See pages 72-74

External Devices

- · MIDI
- Plug-and-Play Devices
- Audio Interfaces
- Pro-Microphones

Teacher Concerns

- ◆ Projection (wired, wireless)
- Audio (wired, wireless)
- Syncing
- Installing Apps
- Printing, Screen Capture, Creating PDF files

Additional Teaching Activities

• See pages 107-110

Inter-Application Communication

• The purpose is to record from apps which create instruments not available in GarageBand internally through the iPad's hardware structure.

Audio Bus

 An alternative to Inter-Application Communication

Automations

- Are generally missing in iPad versions of GarageBand.
- Work Arounds
 - Dynamics (split audio into different tracks)
 - Perform Automations while recording (on the instruments)

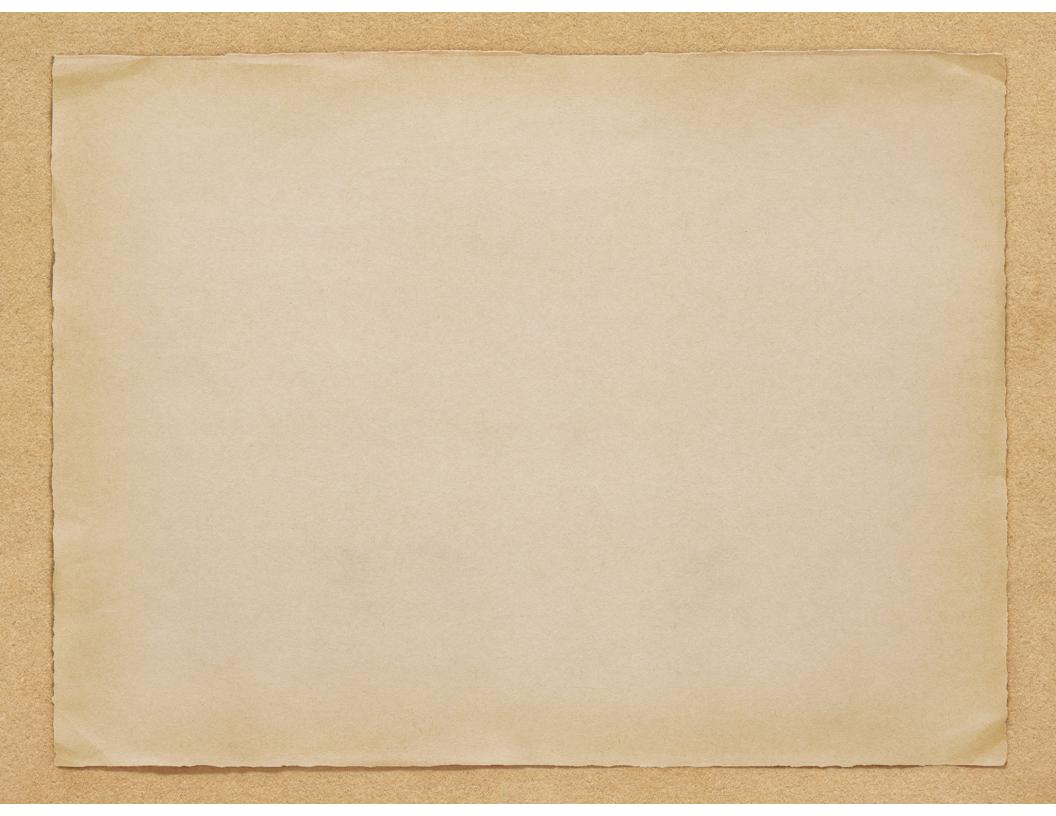
Accounts You May Need

- iCloud
- YouTube
- · SoundCloud
- DropBox
- Google Drive
- Box
- Amazon

GarageBand Information from

• http://www.alfred.com/LearningGarageBand

GarageBand THE iPad	
Sign up to access downloads and receive updates for Learning Music with GarageBand on the iPad. First Name* Floyd Last Name* Richmond Email* frichmond@aol.com Zip Code* 19475 I would like to receive offers and updates from Alfred Music. Submit	This essential guide to GarageBand on iPad and iOS devices is your foundation for learning music production in the classroom. Written by Dr. Floyd Richmond, noted iPad music expert and the president of Ti.ME (Technology Institute for Music Educators), Learning Music with GarageBand on the iPad provides instant insight and wisdom through Dr. Richmond's many years of experience. Includes over 40 GarageBand song files.



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Floyd Richmond Houghton College floyd.richmond@houghton.edu

New York State School Music Association Rochester, NY November 30, 2017 http://floydrichmond.com/nyssma2017/