Convert from \*.midi to \*.mp3:

1. Down Timidity++-2.15.0 from <https://sourceforge.net/projects/timidity/files/latest/download>
2. Add the folder containing timidity.exe to user path variables
3. Download soundfont from any on the sources on: <https://github.com/FluidSynth/fluidsynth/wiki/SoundFont>
4. For the purpose of the project, the soundfont from <http://www.schristiancollins.com/generaluser.php>
5. Rename the downloaded soundfont to “default\_sound\_font.sf2” and put it under the folder TiMidity++-2.15.0
6. Create a file named timidity.cfg. Note that it is important to name the file “timidity.cfg” (lower case), unlike the uppercase file name suggested by timidity.exe
7. Open timidity.cfg using a text editor and type “soundfont default\_sound\_font.sf2” (without bracket), and save it.

Convert from \*.mp3 to \*.midi:

1. Download the \_\_init\_\_.py, version.py, and audio\_to\_midi\_melodia.py into the source folder.
2. Make sure 32-bit Python2 is installed and configured correctly on the PC.
3. Go to Python2’s installation folder (C:/Python27 by default) and change the file python.exe to python27-32.exe or whichever name you find convenient to identify the correct Python version. Alternatively, open miditools.py and change the command line to be executed to the name of your 32-bit Python binary file. Remember to save it.
4. Notice, additional Python2 modules will be required to run audio\_to\_midi\_melodia.py. These include: librosa, jams, midiutil, vamp

Install matplotlib, scipy, numpy for music21