RESULTS!

...Gen — Python matrixMusic.py extracted_mxl/moon.xml

```
Now playing: ('B3', 'E4', 'G4')
Now playing: ('B3', 'D3', 'E4', 'G3', 'G4')
Now playing: ('A2', 'A4', 'C4#', 'E4')
Now playing: ('A4', 'C3#', 'C4#', 'E4')
Now playing: ('A4', 'C3#', 'C4#', 'E4')
Now playing: ('A5', 'C3#', 'E3')
Now playing: ('A5', 'E3')
Now playing: ('A5', 'E3')
Now playing: ('A3', 'G5')
Now playing: ('E3', 'E5')
Now playing: ('E5', 'G3')
Now playing: ('D3', 'D5', 'G3')
Now playing: ('D3', 'D5')
Now playing: ('D3', 'D5')
Now playing: ('D3', 'D5')
Now playing: ('A4', 'C5', 'F2', 'F4')
Now playing: ('A4', 'C5', 'F2', 'F4')
Now playing: ('A4', 'C5', 'F2', 'F4')
Now playing: ('A4', 'C5', 'F2', 'F4')
Now playing: ('A4', 'C5', 'F2', 'F4')
Now playing: ('A4', 'C3', 'C5', 'F4')
Now playing: ('A4', 'C3', 'C5', 'F4')
Now playing: ('A4', 'C3', 'C5', 'F4')
Now playing: ('A4', 'C3', 'C5', 'F3', 'F4')
Now playing: ('A4', 'C5', 'F3', 'F4')
Now playing: ('A4', 'C5', 'E3', 'F3', 'F4')
Now playing: ('A4', 'C5', 'E3', 'F4')
Now playing: ('A3', 'D3', 'D4', 'F4')
^CPlayback interrupted by user (Ctrl+C).
Fluidsynth resources cleaned up.
(fooMUSIC) ethansie@Ethans-MacBook-Pro xmlMusicGen % python
3 matrixMusic.py extracted_mxl/moon.xml
First measure, grid of notes:
Now playing: ('A3', 'A3', 'C4', 'E3')
Now playing: ('A3', 'C4', 'E3')
Now playing: ('A3', 'C4', 'E3')
Now playing: ('A3', 'C4', 'E3')
Now playing: ('A2', 'A3', 'D3', 'D4', 'F3', 'F4')
Now playing: ('A2', 'A3', 'D3', 'D4', 'F3', 'F4')
Now playing: ('A2', 'A3', 'D3', 'D4', 'F3', 'F4')
Now playing: ('A2', 'A3', 'D3', 'D4', 'F3', 'F4')
Now playing: ('A2', 'A3', 'D3', 'D4', 'F3', 'F4')
Now playing: ('A2', 'A3', 'D4', 'F3')
Now playing: ('A2', 'A3', 'D4', 'F3')
Now playing: ('A2', 'A3', 'D4', 'F3')
Now playing: ('A3', 'D4', 'G1')
Now playing: ('A3', 'D4', 'G1')
Now playing: ('A3', 'D4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('E4', 'G1')
Now playing: ('C2', 'C4', 'G3')
```

readXML.py | xmlGenera... | matrixMusi... | requiremen... | refactored... | db.py | mxlConvert... | musicGen.py | log.txt | debug.py | forgetTest....

```
        note_map = ['C', 'C#', 'D', 'D#', 'E', 'F',
                    'F#', 'G', 'G#', 'A', 'A#', 'B']

        return note_map.index(pitch) + 12 * (octave + 1)
    except Exception as e:
        print(f"Error converting note '{note}': {e}")
        return None



SOUNDFONT_PATH = "../FluidR3_GM/FluidR3_GM.sf2"
fs = fluidsynth.Synth()
fs.start()
sfid = fs.sfload(SOUNDFONT_PATH)
fs.program_select(0, sfid, 0, 0)

def play_chords(chords, duration=0.1, velocity=100):
    current = set()
    for chord in chords:
        print("Now playing:", chord)
        next_notes = set(filter(None, (note_to_midi(n) for n in chord)))
        for note in current - next_notes:
            fs.noteoff(0, note)
        for note in next_notes - current:
            fs.noteon(0, note, velocity)
        time.sleep(duration)
        current = next_notes
    for note in current:
        fs.noteoff(0, note)

try:
    play_chords(note_sequences, duration=0.2)
except KeyboardInterrupt:
    print("Playback interrupted by user (Ctrl+C).")
finally:
    fs.delete()
    print("Fluidsynth resources cleaned up.")
```

matrixMusic.py 94:16 LF UTF-8 Python main Fetch GitHub Git (1)

Moon River