I am doing another project as opposed the preferred project. I will be working with Sherman Tay. What this project entails is using the Raspberry Pi as a real time digital effects processor. The Pi will receive an audio input from a musical instrument, such as an electric guitar, and then perform some audio filtering to create an output audio signal with filtered effects. Some of the effects that I have in mind are delay, phasor, distortion, and reverb.

What I wish to accomplish out of this project is:

- to take an input audio signal and produce an output audio signal in real time using python and its libraries.
- perform some digital signal processing in order to create audio effects from the input signal.
- learn various types of audio filter effects.
- to output the filtered signal into an amplifier to drive a speaker.