8Bitify Proposal

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Overview

The "8bitify" project aims to take any .wav audio file and convert the contents into an 8-bit resolution. This essentially creates a "retro" sound from any .wav file.

Goals

The goal of this project is to experiment with audio manipulation via python and potentially provide interfacing into the results.

Libraries

- [Numpy](#) - Experiment with various matrix operations against raw audio data.
- [Snack](#) - Sound playback, so the user can witness their experimental genius.

Tentative Libraries

The following libraries are being considered for inclusion, but may not be in the final package.
- [TKinter](#) - Potential GUI development
- [Matplotlib](#) - Potential experiment plotting
- [Pysox](#) - Potential multiple file format support (e.g. mp3)