

The Internet Archive Suite

By Thomas Park

In 2018, Thomas Park began using original python code to create programs that assist searching in and utilizing The Internet Archive. The Archive was of great help during Thomas' career as a musician. He discovered much interesting material there, and adopted as a goal to share that material with as many people as possible.

Thomas' first related web application was the ["Internet Archive Playlist Generator and DJ Database Tool"](#). This tool can be used to harvest playlists of .mp3s from the Archive, based on collection name and up to two search terms. DJs and listeners alike can encue and appreciate lengthy sets of music assembled using particular attributes. Users can also add track links to a personal DJ Database of up to 3000 links, and can search and refine this set of links to export if desired.

A second application, ["Generative Soundscape Radio"](#), allows a user to load in and control randomized soundscapes. The user can adjust which sounds are played and their levels, and assemble entirely new iterations of sounds with the press of a button.

An application that began as an experiment became increasingly popular-- the ["Thomas Park Audio Explorer"](#). The audio explorer serves track to users from very large playlists of cc-music, helping them to discover new artists and works. The user can download the tracks or playlists, and can continue browsing for as long as they wish. The station automatically refreshes itself every 24-hours with a new list of tracks.

["Endless Dub Radio"](#) uses loops, Python, html and JavaScript to create continuous mixes of dub sounds, featuring dub music's signature drum and bassline elements. Users can participate in the regularly-loading mixes, bringing sounds in or out.

["Piano Iterations"](#) uses Python code to present continuous generative combinations of relaxing piano phrases. The phrases reset automatically and rarely, if ever, repeat.

A tool much like the playlist generator is the ["Internet Archive Visual Aggregator"](#). The IAVA can be used to harvest videos or still images from the Archive using search terms. The results can be viewed on a special player page or downloaded.

["Global Free Audio"](#) helps a user to find either playlists of media by search term rather than political orientation or links to news articles that are topical and stick to only the main news sources. A goal is to avoid spammy "fake news" sites.

Thomas is grateful, both to the Launchcode program for helping him to learn Python, to his wife for putting up with his abstract periods, and to all who have encouraged him.

Whether for casual listening, djing a show, creating a live performance, or for whatever purpose, he hopes that people will enjoy using his applications to explore, promote and enjoy the free cc-licensed culture available online.