# Face the Music

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# 1  Abstract

Current facial recognition technology has progressed to the point that it can be done in nearly real-time. In this project, I use the Python library DeepFace to read peoples' emotions in real-time, and then the Spotify Web API and Web Playback SDK to play music related to those emotions.

I set up this project on a Raspberry Pi, continually running a Python script that reads data from the camera and then pulls data from Spotify. I then set up the Raspberry Pi in the Media Arts, Data, and Design (MADD) Center at the University of Chicago.

# 2  Background

Facial recognition software has been available for the past DECADE (cite), and its implementations in the modern day are not without controversy.