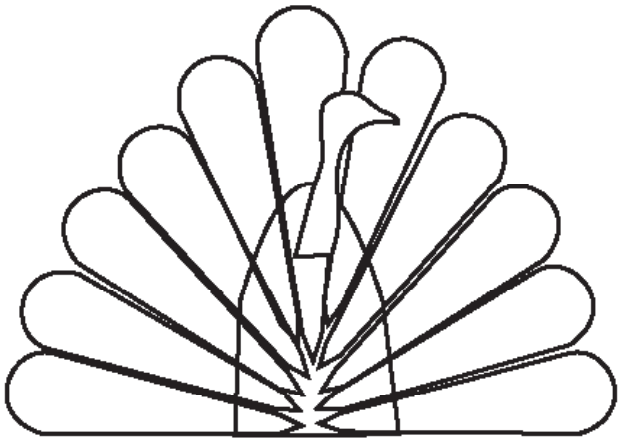
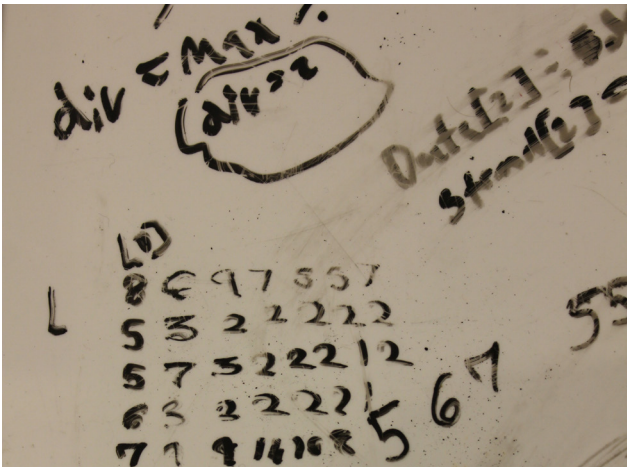




Concept



Home
Club
Table Centerpiece



Code



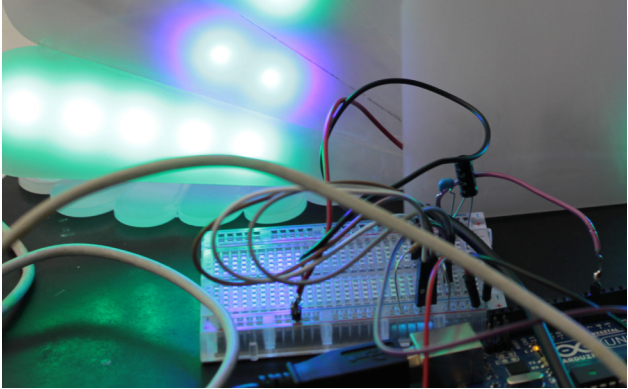
Include
Reference fft and neopixel Libraries
Define the neoPixel Strip and pins
Define the number of audio samples

Setup()
Start the serial port for logging
Start the neoPixel strip and set it to all black

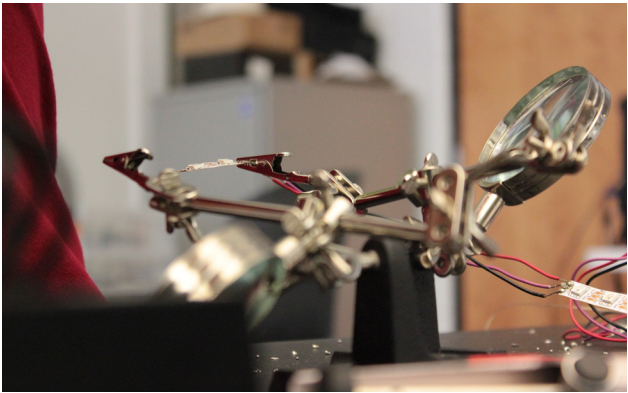
Loop()
Take the audio samples from the hardware
Run the Fast Fourier Transform
Average the results into 8 bands
Run the "peacock" method

Peacock()
For loops for each feather
Mirror leftmost and right most towards the center.

FFT Circuit



Soldering
Neopixels



Results

