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ESP32 To Processing

For this assignment we were instructed to send data from our ESP32 hardware to Processing. By changing aspects on the screen such as shapes, colors, images, text etc., I created an interactive experience for the user. For my project I really wanted to implement sound so I made "Strawberry Fields Forever" by the Beatles. I used the potentiometer and mapped the volume (amp) from 0-1 so that the user can control the volume. I used the random function to make random shapes appear on the screen as well as the words "Strawberry Fields" in alternating colors. When the switch is pressed, the word "Forever" appears.

Although the sound took a lot of research to complete, this project was not all that difficult for me to do. I am proud of the progress I have made with my ability to code confidently.