github.com/Framework-Security/badgedocs ←———————— currently flashed code here

General Info:

- This board is programmable via the Arduino IDE through the USB-C port
- There is a standard 6 pin AVR pinout available for flashing a different bootloader
- The primary logic board is an ATMEGA328P
- The LEDs are WS2812B and can be controlled on pin 5
- The button can be controlled on pin 3
- Some sample code to get started with the Adafruit_NeoPixel library is below
- There are other libraries that work perfectly fine for this programming

```
#include <Adafruit_NeoPixel.h>

#define LED_PIN 5
#define BUTTON_PIN 3
#define NUM_PINS 20

Adafruit_NeoPixel strip = Adafruit_NeoPixel(NUM_PINS, LED_PIN, NEO_GRB + NEO_KHZ800);
bool buttonPressed = false;

void setup() { //happens once to set up the board
 strip.begin();
 strip.show();
 pinMode(BUTTON_PIN, INPUT_PULLUP);
}
void loop() { //behaves as the name suggests
 buttonPressed = digitalRead(BUTTON_PIN) == LOW;
 if (!buttonPressed) { //actually button is pressed here
  for (int j = 0; j < 3; j++) { //repeat inner loop thrice
   for (int i = 0; i < 20; i++) { //cycle through each LED in red, green, and blue
    strip.setPixelColor(i, strip.Color(255, 0, 0));  // Red
    strip.show();
    delay(10); //wait 10 milliseconds
    strip.setPixelColor(i, strip.Color(0, 255, 0));  // Green
    strip.show();
    delay(10);
    strip.setPixelColor(i, strip.Color(0, 0, 255));  // Blue
    strip.show();
    delay(10);
    strip.setPixelColor(i, strip.Color(0, 0, 0));  // Off
    strip.show();
   }
  }
 }
}
```