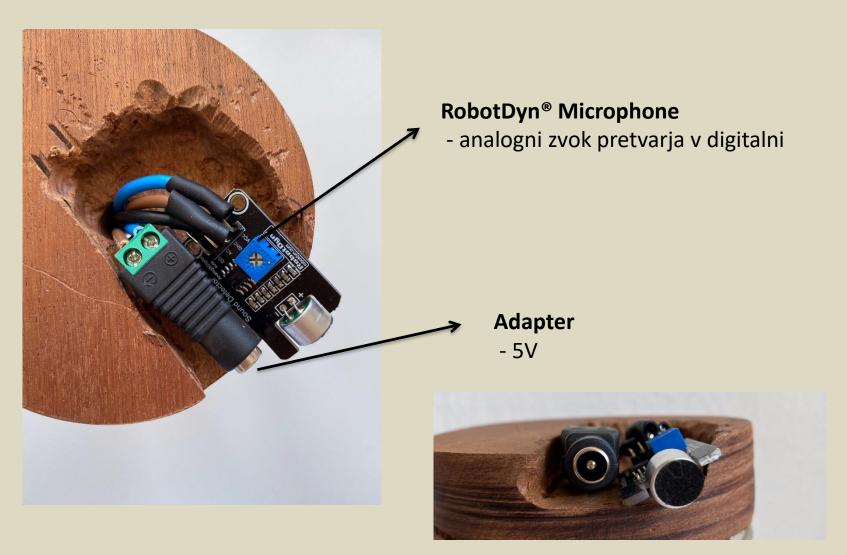
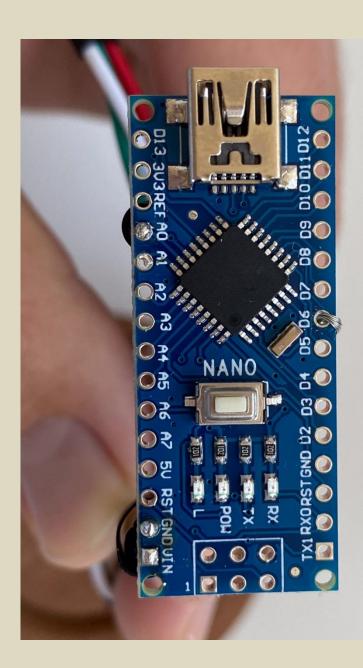
Music vizualizer

Paulo Šolić GIG 3 Programiranje

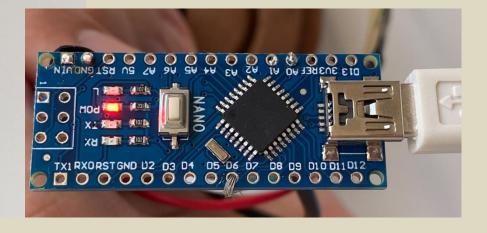
Strojna oprema:





Arduino NANO

- A0 dobijemo odčitek z mikrofona
- D6 upravlja LED-icama
- GND -- tok
- UIN + tok





LED trak

- 30 LED/m
- RGB



- 144LED/m
- RGB

Softverska oprema:

```
▼ ••• SHARE
              × Arduino Nano
                          ReadMe.adoc
        Color.r = 5;
165
        Color.g = 3;
        Color.b = -1;
                                                                                                                                                         >=
167
168 •
      else if (songmode == NORMAL) {
169
        fade_scale = 2;
170
       Color.r = -1;
        Color.b = 2;
172
        Color.g = 1;
173
174
175
      //Določi koliko bo prikazanih LEDic
      curshow = fscale(MIC_LOW, MIC_HIGH, 0.0, (float)NUM_LEDS, (float)avg, -1);
177
      for (int i = 0; i < NUM\_LEDS; i++)
179
180
       //Kolk LEDs bi prikazali
        if (i < curshow) {
        if (leds[i].r + Color.r > 255)
182
183
           leds[i].r = 255;
184
          else if (leds[i].r + Color.r < 0)</pre>
185
          leds[i].r = 0;
186
187
        leds[i].r = leds[i].r + Color.r;
189
         if (leds[i].g + Color.g > 255)
190
          leds[i].g = 255;
          else if (leds[i].g + Color.g < 0)</pre>
191
192
           leds[i].g = 0;
193
            leds [i].a = leds [i].a + Color.a:
```

Arduino Web editor

- C++
- FastLED.



https://www.youtube.com/watch?v=5WP2Tjt9o2U