Interactieve Gevarendriehoek

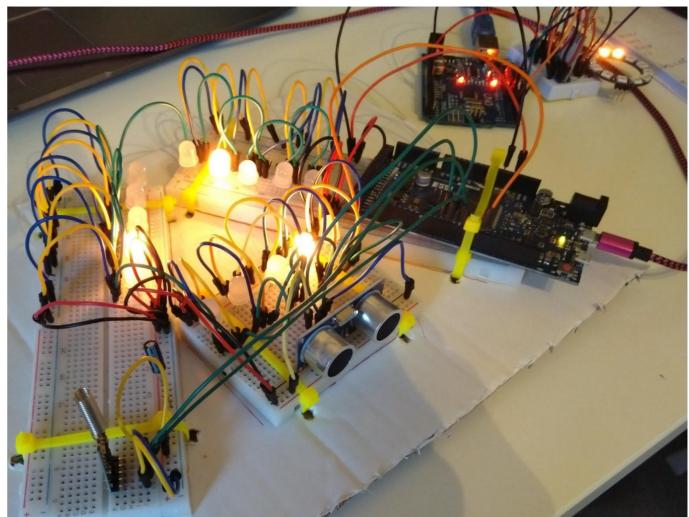
WS2812, HC-SR04 and HC-12 library

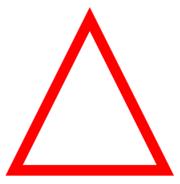
This project is for when you have a car breakdown, and you need to set out a warning triangle. The one I made, has an animation. When a car gets near, the triangle lights up red, and the lights on the circle on the other Arduino get more intense. The distance is send via a rf communication chip, to the second Arduino.

This is the code for my implementation for the WS2812 LED. The interesting part is that I couldn't use a third for loop to send every bit, because for-loops are to inconsistent. Therefore I had to do the same instructions 8 times.

I also couldn't use if-statements to set the pins low, because apparently the took to much time too.

I wrote the implementation for the Arduino Uno and the Arduino Due.





This project uses the following chips:

- Cheap PL9823 LEDs
- A WS2812 12 led ring
- An HC-SR04 ultrasone chip
- 2 HC-12 rf communication chips

