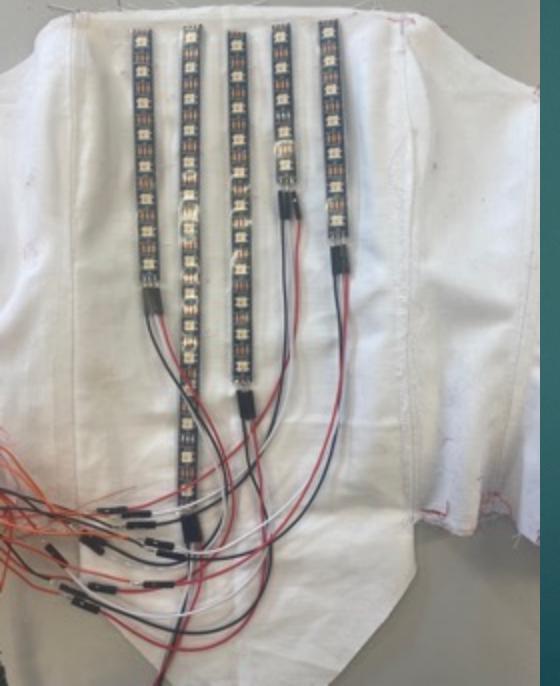


video

Isla Simpson Portfolio



This piece is a dress that lights up.
I used LED strips, jumper wires, AA battery and an Arduino to create this piece. The dress is also detachable, so if there is any issues with the lights they can be fixed

Here are some videos
of the final piece



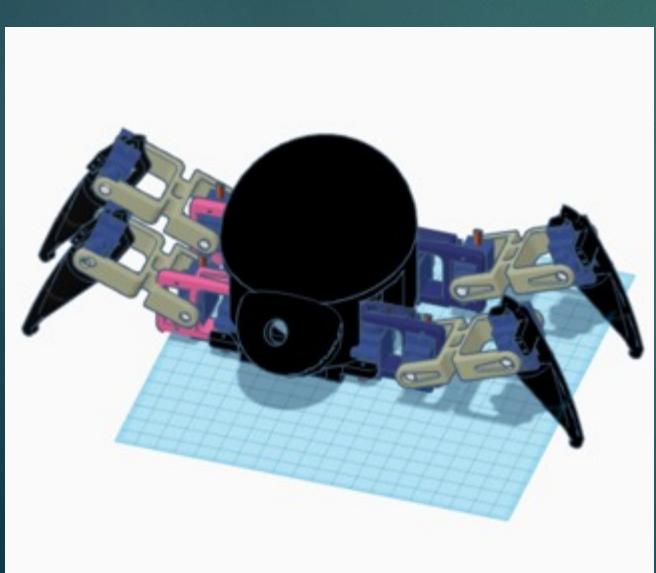
I also played around
with the code so the
lights have different.
designs

videos





I first designed the moving spider on Tinkercad and then 3D printed it. 12 servo motors, jumper wires, an AA battery and an Arduino were used to create this. Unfortunately, I was unable to make the spider walk, but 3 videos show the 3 different movements the servos were able to produce.



Photography I have done in 2020 which involved using a range of coloured lights





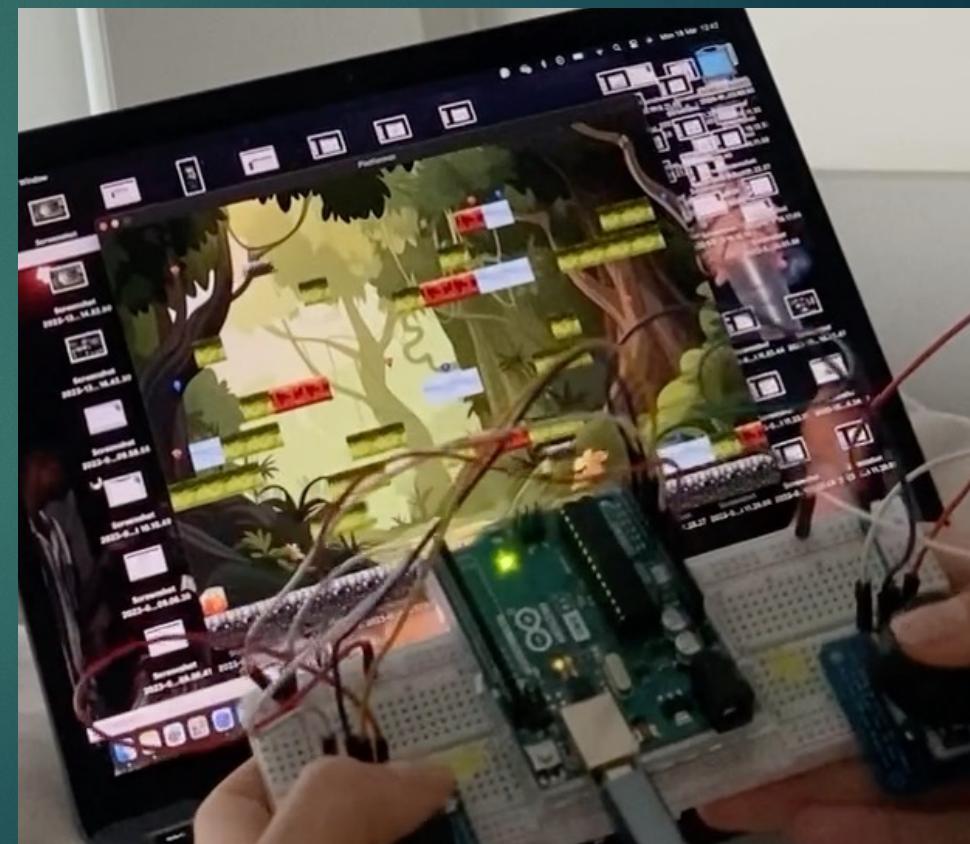
Paintings I did from the photoshoot





<https://github.com/IslaSimpson3/Fireboy-and-Watergirl-pyjama> - here is a folder showing how I made the game step-by-step

I coded a replica of the video game Fireboy and Watergirl. I then went on to make my own remote controller using joysticks to control the characters instead of keys on the keyboard. I did this using two joysticks, jumper wires, a breadboard and an Arduino





I Made this corset in my A-level fashion class. I layered different fabrics together, sewed at an angle down the corset and cut the fabrics in between the sewed thread.

