

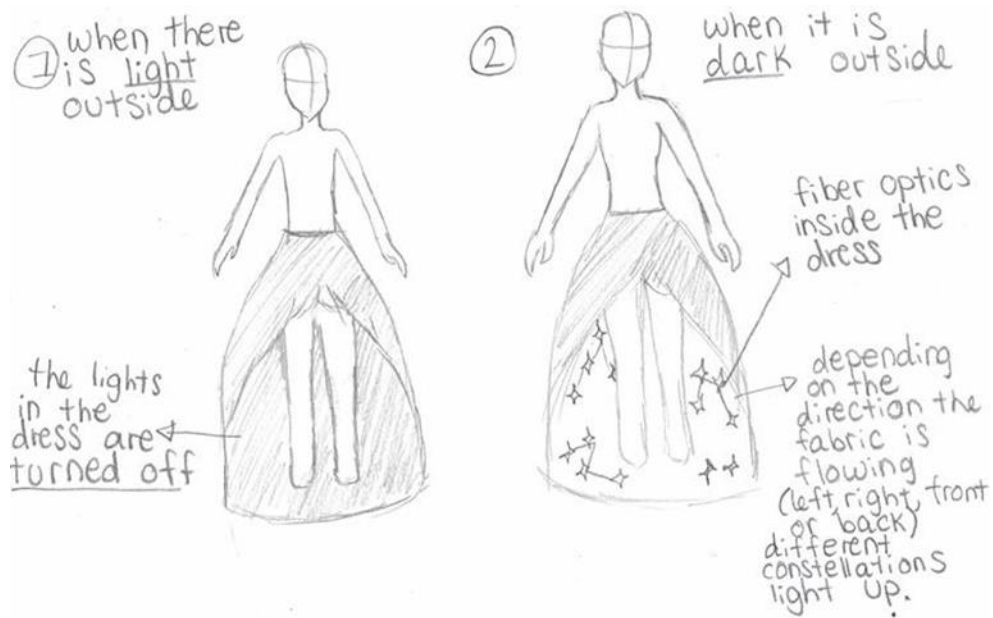
FINAL PROJECT:
The Constellation Dress

Maedeh Sharifi

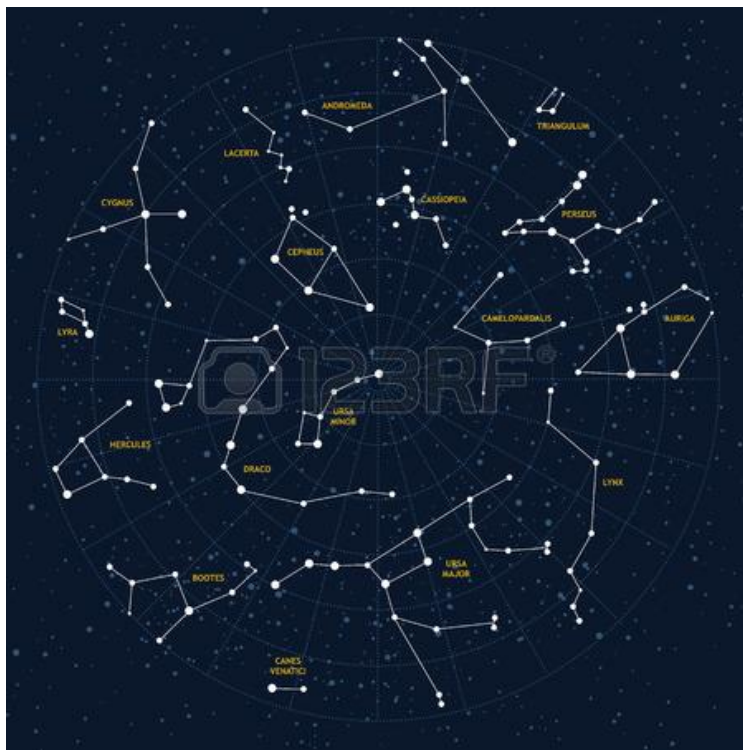
Elio Bidinost and Sabine Rosenberg
CART 360 Tangible Media and Physical Computing
December 7th, 2017

Research Documentation

Initial sketch



Map of constellations



Source: <http://www.go-astronomy.com/constellations.htm>

Sketch on the position on each constellation in the dress



Name of all the constellations:

1. Hercules
2. Draco
3. Ursa Minor
4. Ursa Major
5. Camelopardalis
6. Andromeda
7. Perseus
8. Auriga

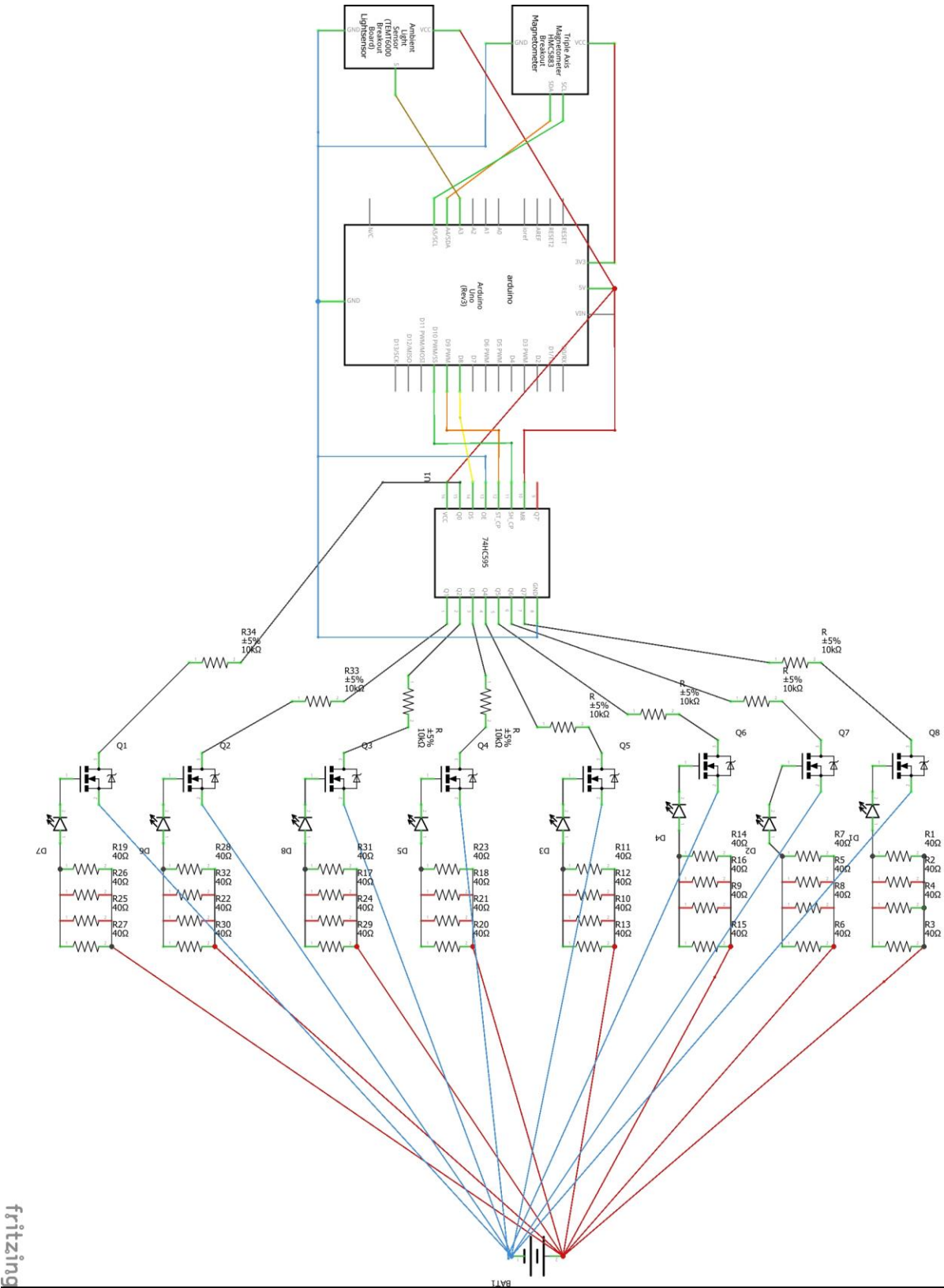
Tutorial on how to make a hoop skirt for my dress :

<https://www.makeit-loveit.com/how-to-make-a-hoop-skirt-a-sturdy-non-wobbly-version/>

Tutorial on how to use the magnetometer:

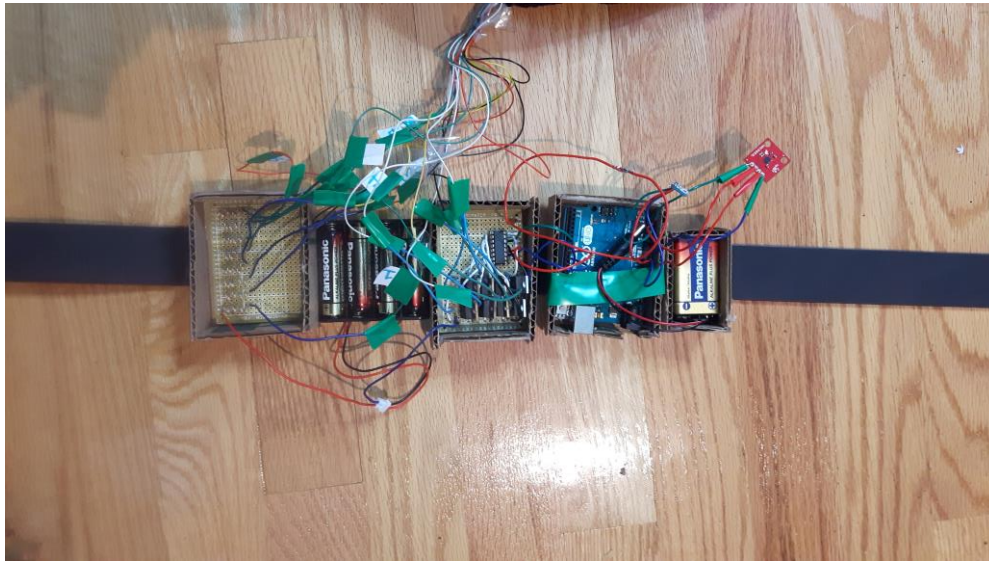
<https://www.sparkfun.com/tutorials/301>

Circuit Schematic



Creation process

Circuit of the dress is glued to a belt



Textured fabric on the back of the dress / Fabric inside the dress + LEDs



Fabric in the front + LEDs



Fabric + sparkly tile



Back of the dress



Front of the dress



Final Result





Video of the dress: <https://vimeo.com/246373679>