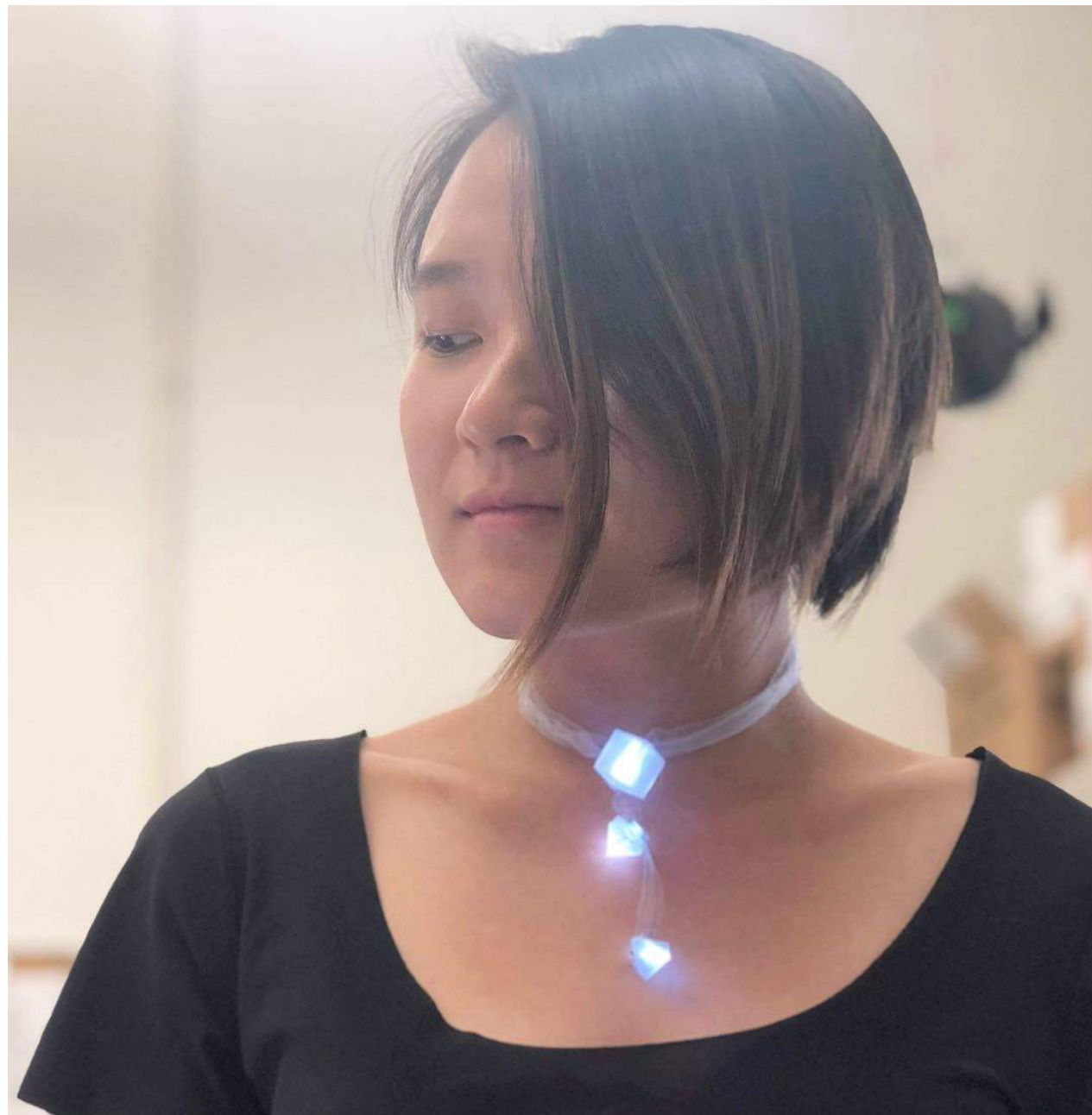
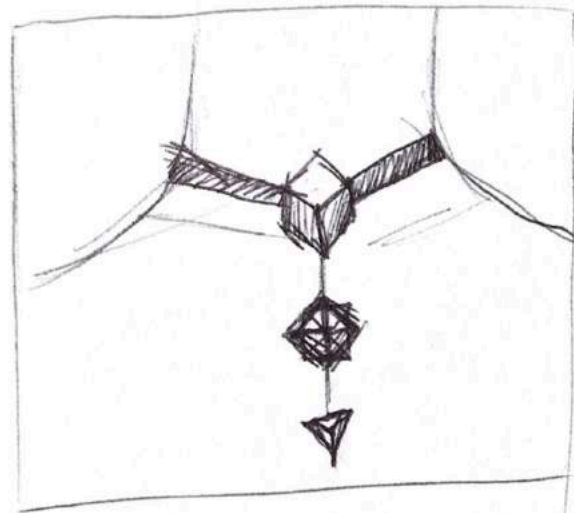


Cyberpunk Choker

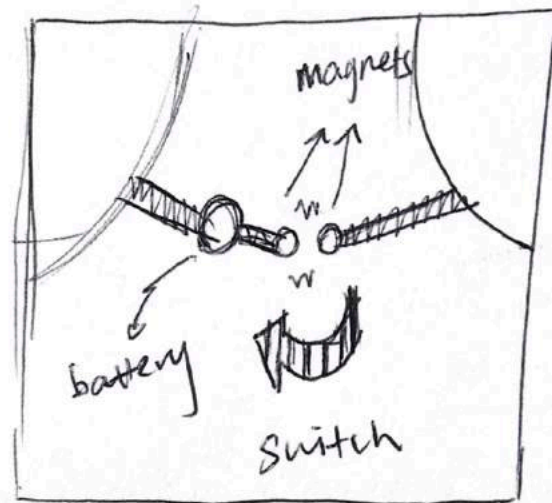
By Julie Xu



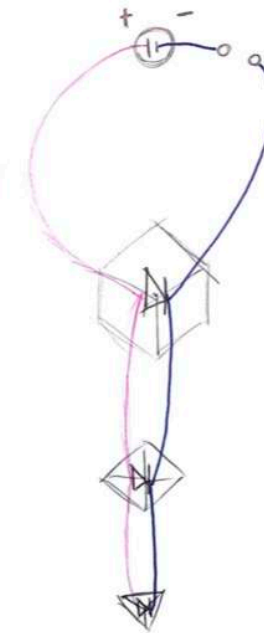
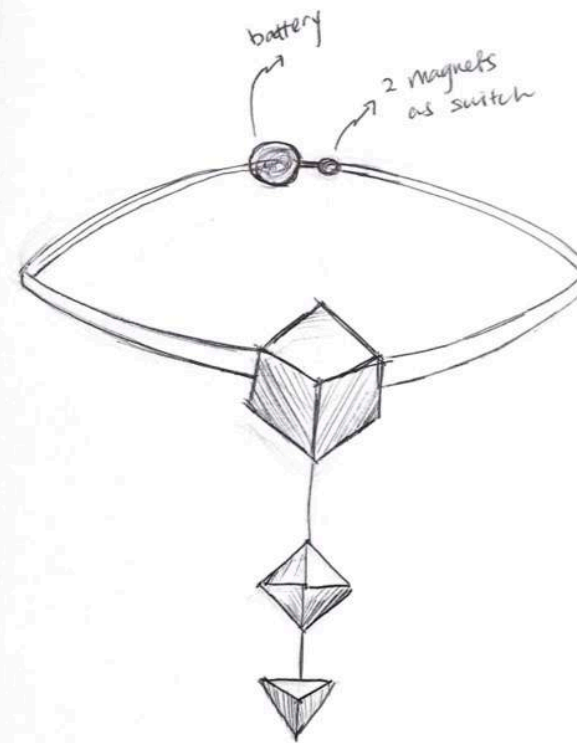
Sketches



front



back



battery holder
3D print items



Geometric
Shapes



Materials Exploration



I first experimented with thin wire as the main conductive and structural support for the 3 LEDs, but I found that wire is hard to manipulate, and it doesn't adhere to the LEDs well without soldering.



I used mesh fabric for the entire structure and used conductive thread to connect different LEDs to the battery. It worked well on the part that goes around the neck, but the thin layer of material unwraps and twists around at where the light diffusers are. It's not the ideal material for that part.



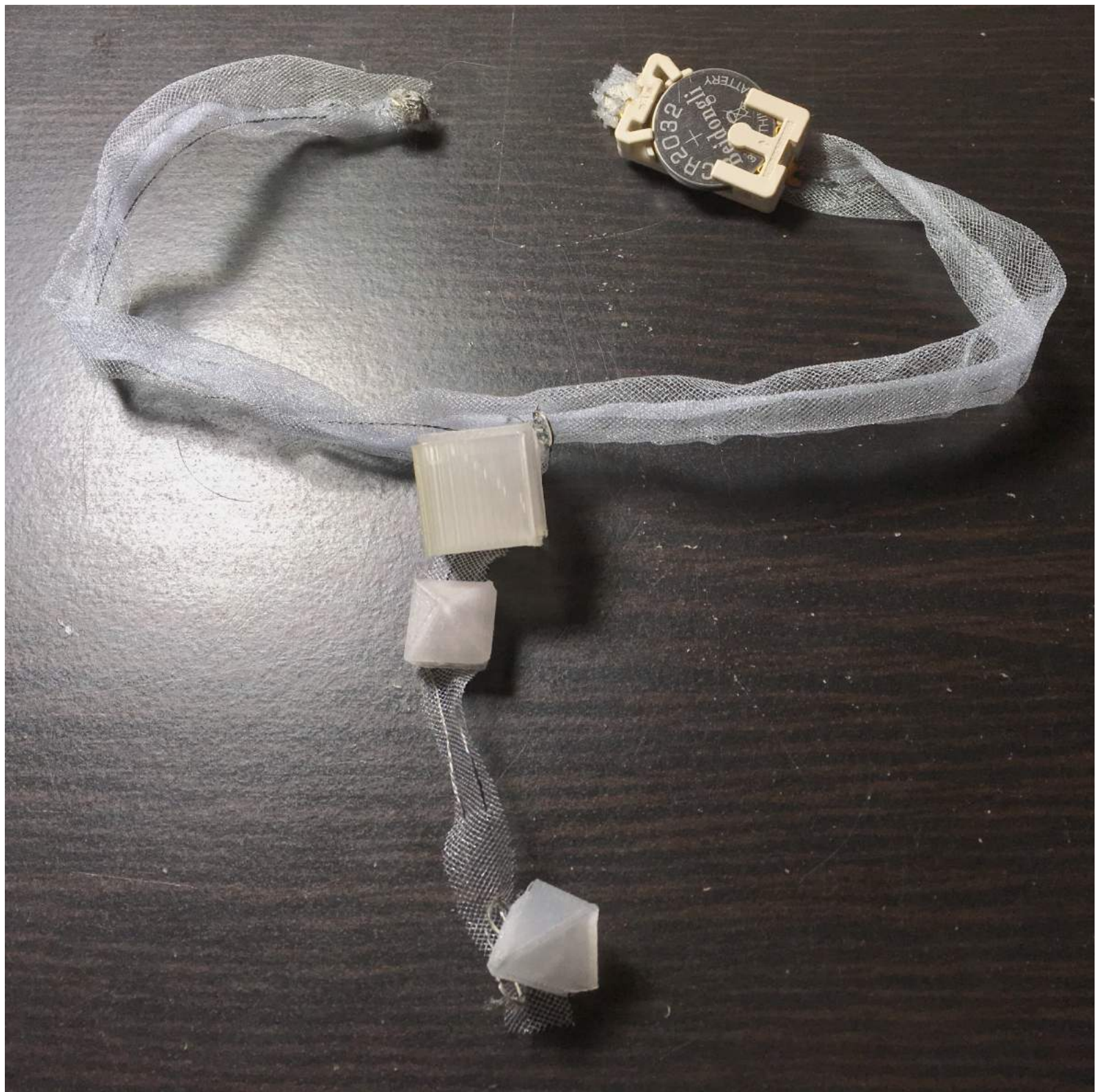
Metal magnets are great for switches because of its conductivity and magnetic attractions. However, I encountered some difficulty fixing the magnets on where they need to be since there are no holes to sew them onto the fabrics.

Prototype



I wanted to create a futuristic-looking choker that consists of geometric light diffusers. I chose lightly colored mesh fabric because the softness contrasts with the rigid shapes of the light diffusers.

Prototype



Materials Used

- Mesh fabric
- 3D printed PLA diffusers
- 3 LED lights
- Battery
- Battery holder
- conductive thread
- Regular thread
- Magnets