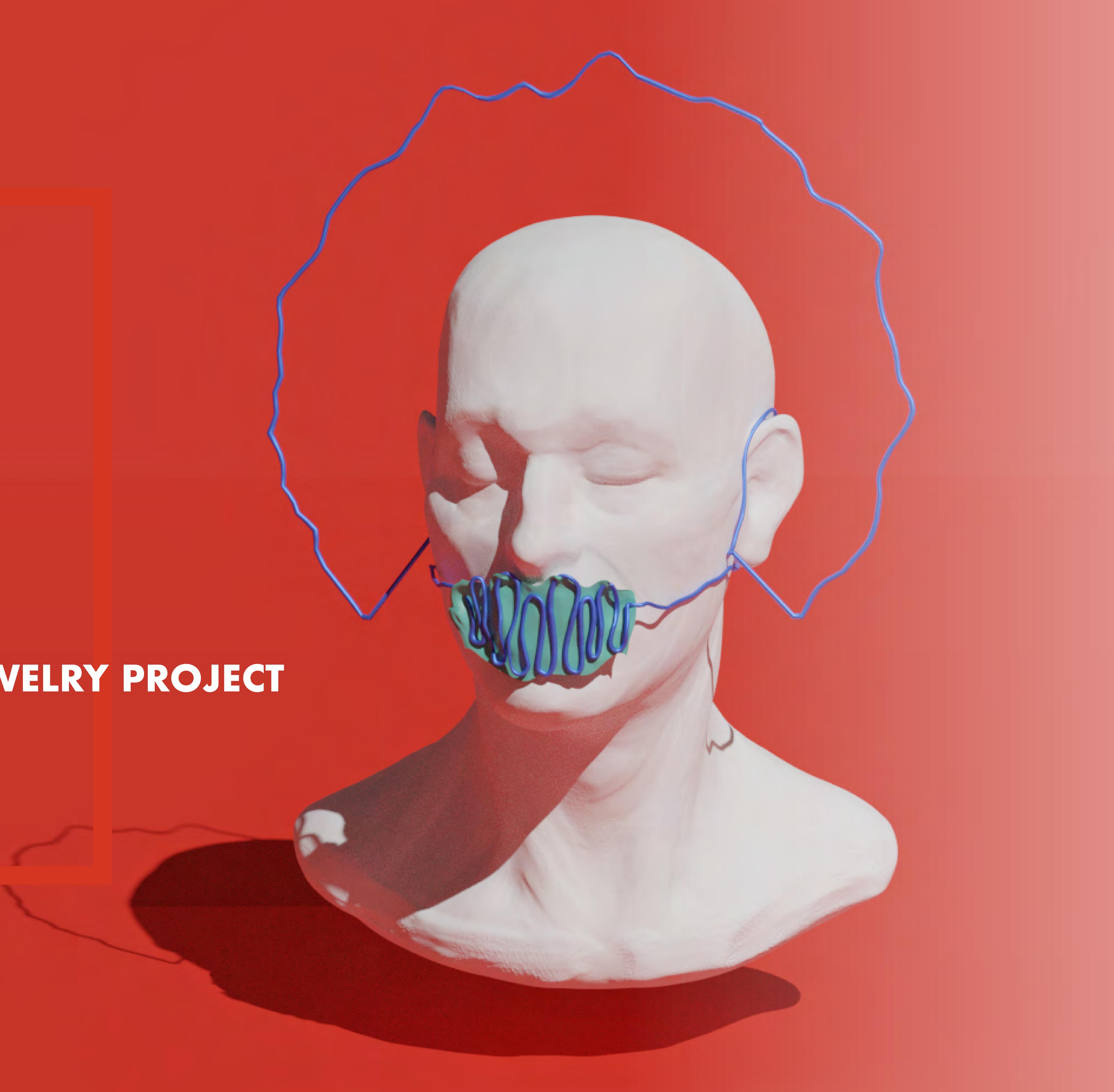


AR+JEWELRY PROJECT



"Block" is a wearable device that combining Jewelry with Augmented Reality (AR). The user/audience would experience the device through both physical and virtual aspects. The main goals of this project are to discover a new way of communication, along with creating a piece of decorative high-tech jewelry.

INSPRATON

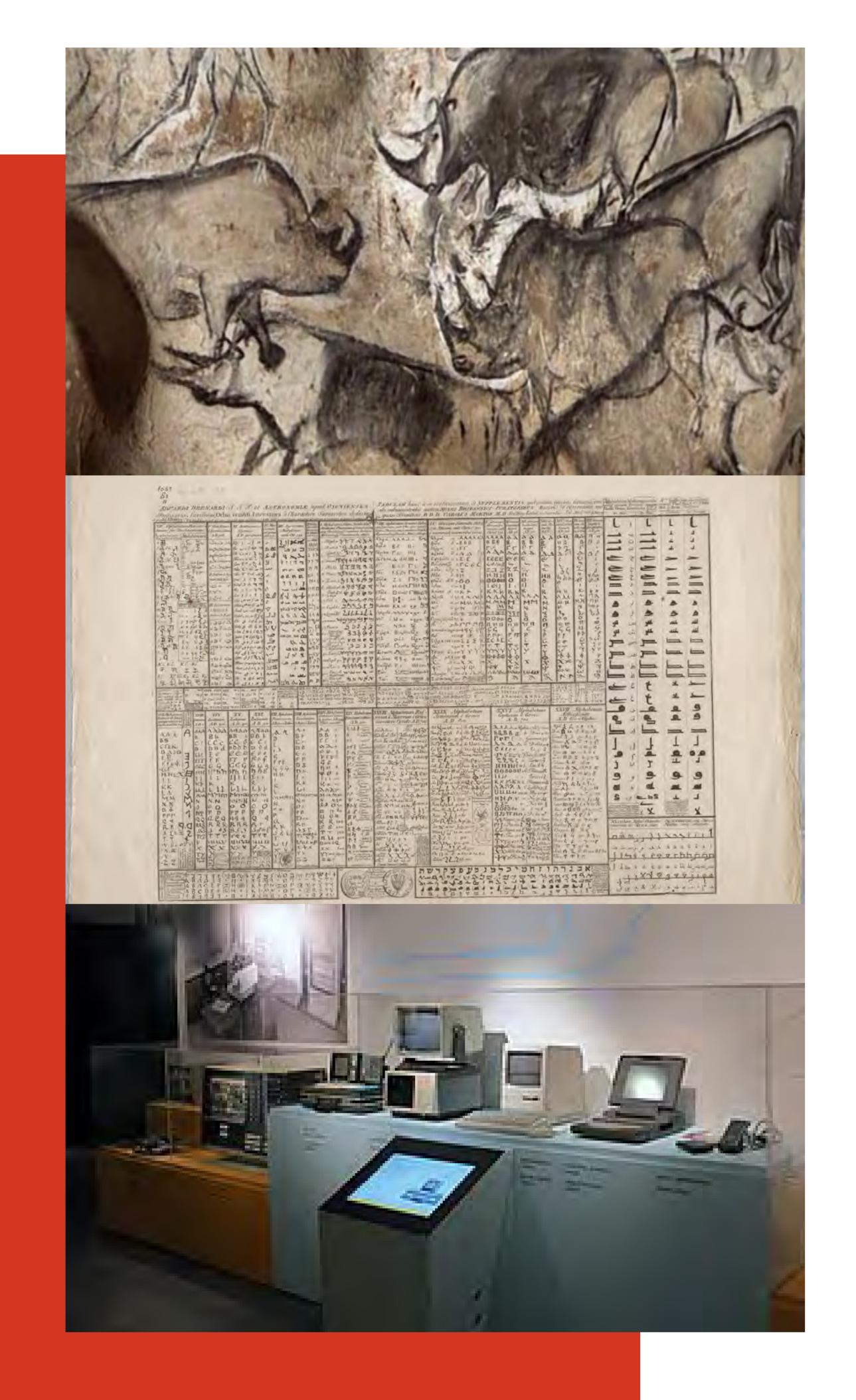


During Covid-19, people start to wear masks during the daily time.

Mask, therefore becoming the protection of human beings. While at the same time, masks also limit communication around people. Facial expressions are blocked by the mask.

RESEARCH

History of Communication



The Chauvet-Pont-d'Arc Cave in the Ardèche department of southeastern France is a cave that contains some of the best-preserved figurative cave paintings in the world, as well as other evidence of Upper Paleolithic life.

The first pure alphabets emerged around 2000 BC in Ancient Egypt, but by then alphabetic principles had already been incorporated into Egyptian hieroglyphs for a millennium.

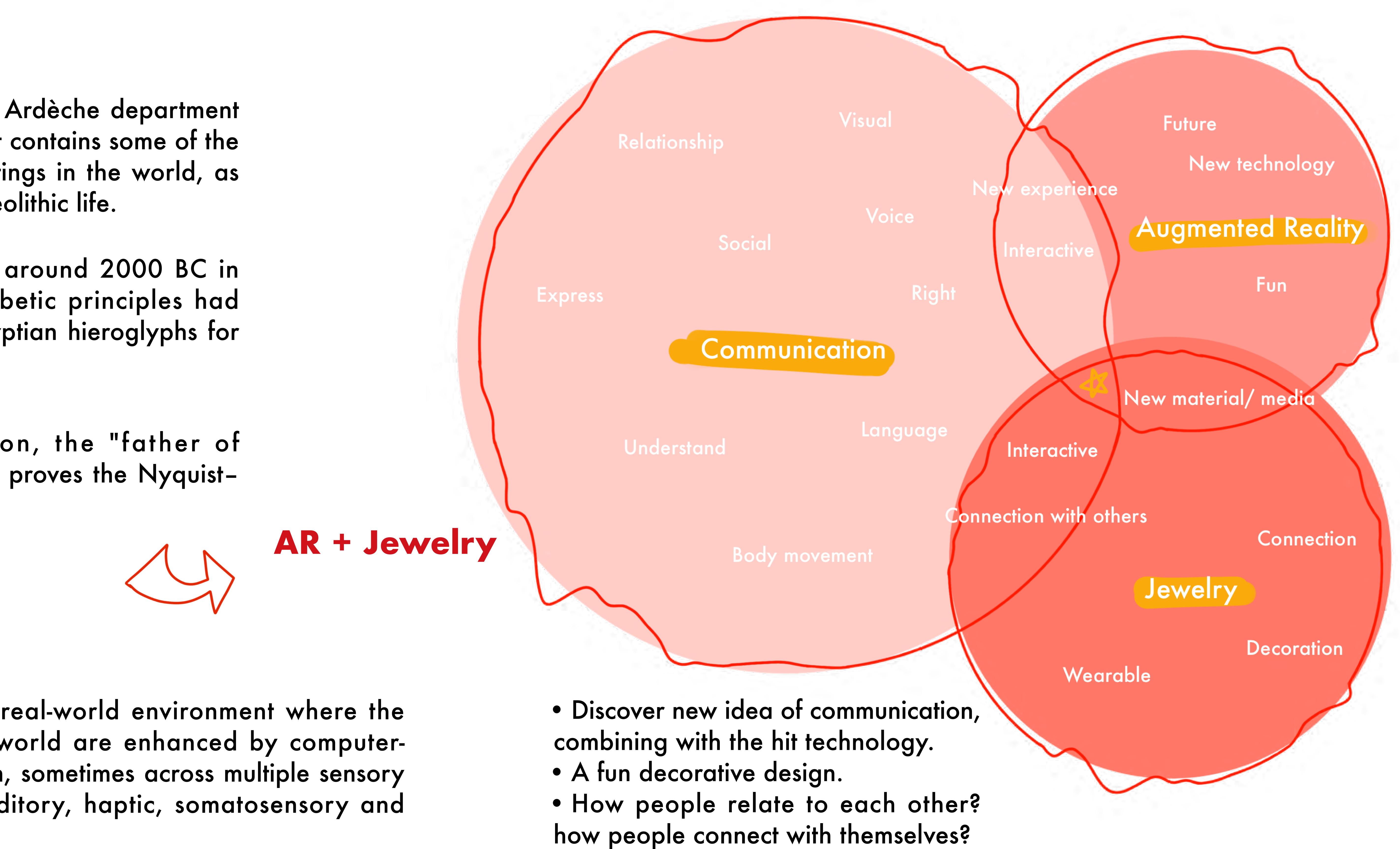
1949 - Claude Elwood Shannon, the "father of information theory", mathematically proves the Nyquist-Shannon sampling theorem.



Augmented reality (AR)

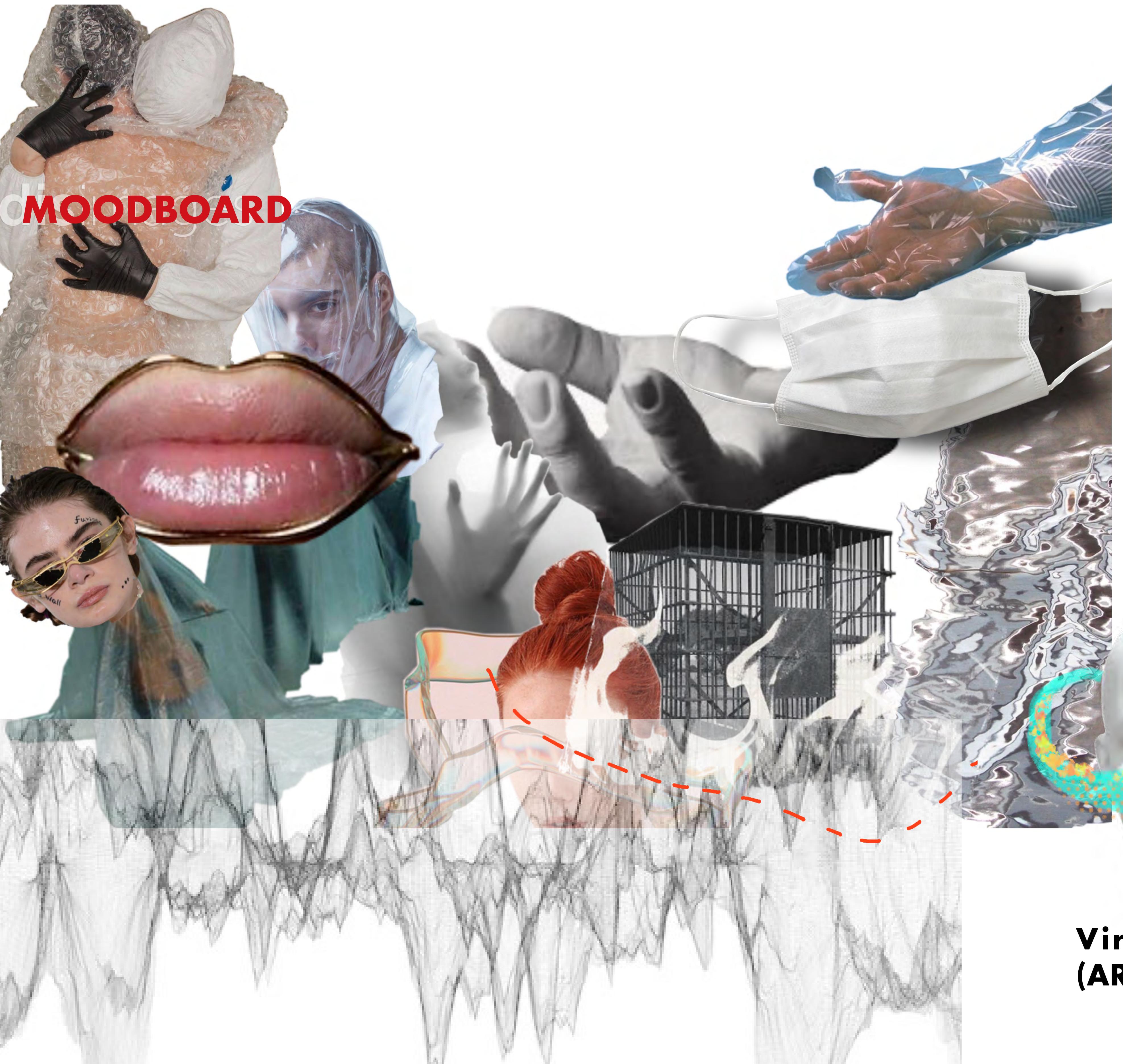
an interactive experience of a real-world environment where the objects that reside in the real world are enhanced by computergenerated perceptual information, sometimes across multiple sensory modalities, including visual, auditory, haptic, somatosensory and olfactory.

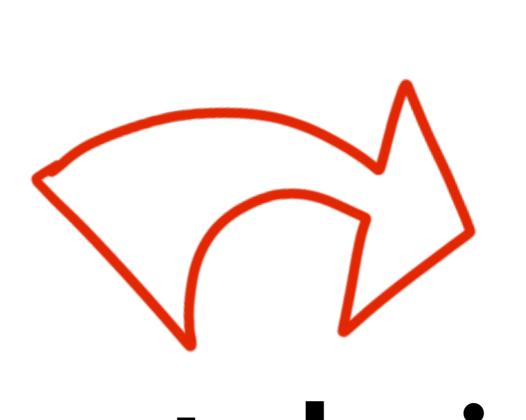






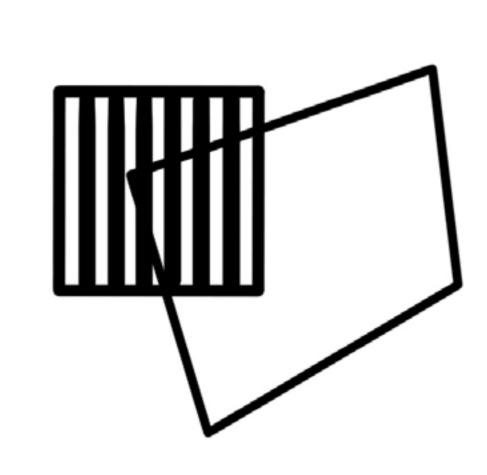
CONCEPTS+DEVELOPMENT





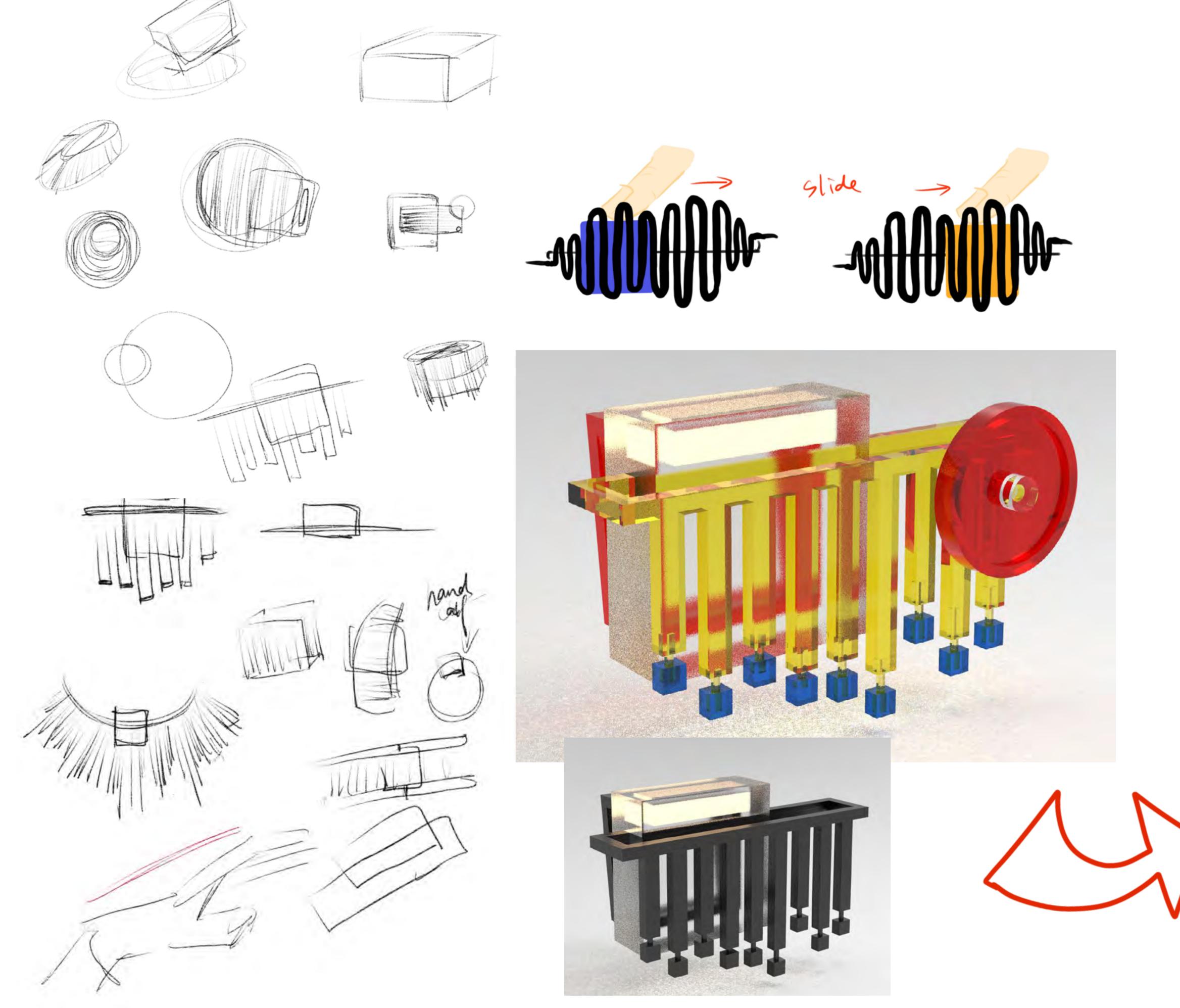
Physical part design (Wearable Jewelry)





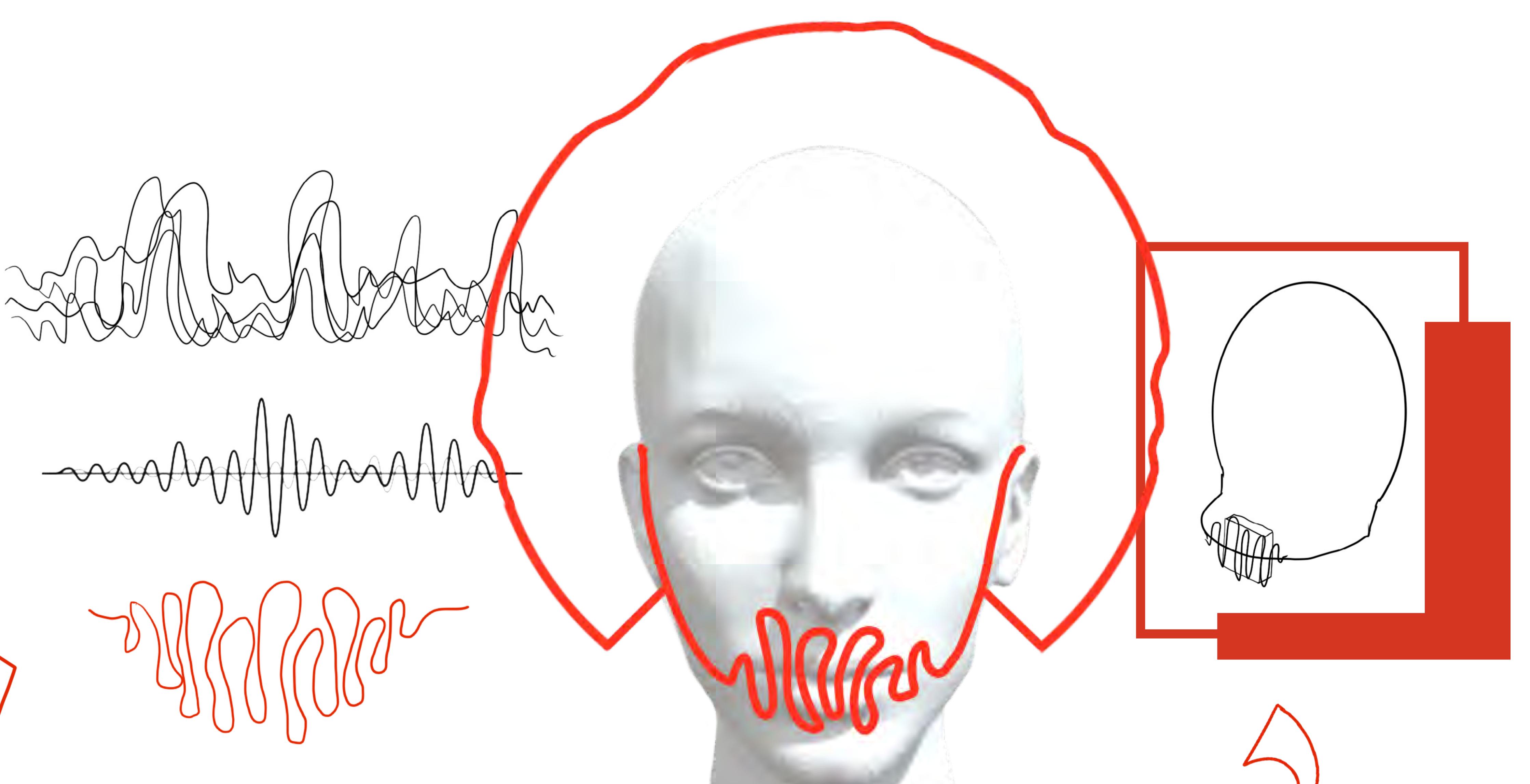






Virtual Part design (AR display)

"Head And Skkull" by parsanouri is licensed under Creative Commons Attribution.



Still display:

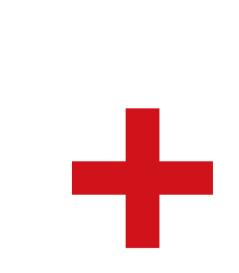
focus on the beauty perfomances, show personality

Tail:

Track the movement of user, focus on the path

Trail:

More customizable, user could even write words or draw through this.



show every movement of user.

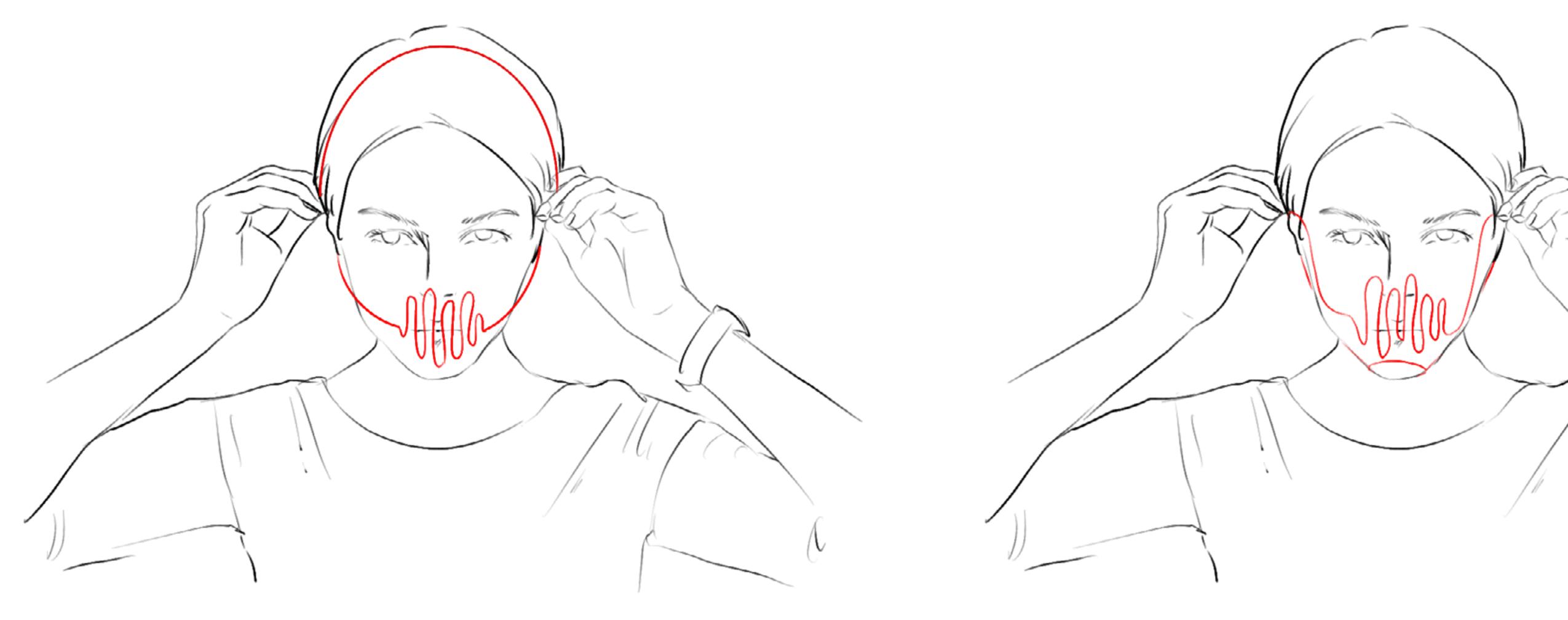
Mask shaped:

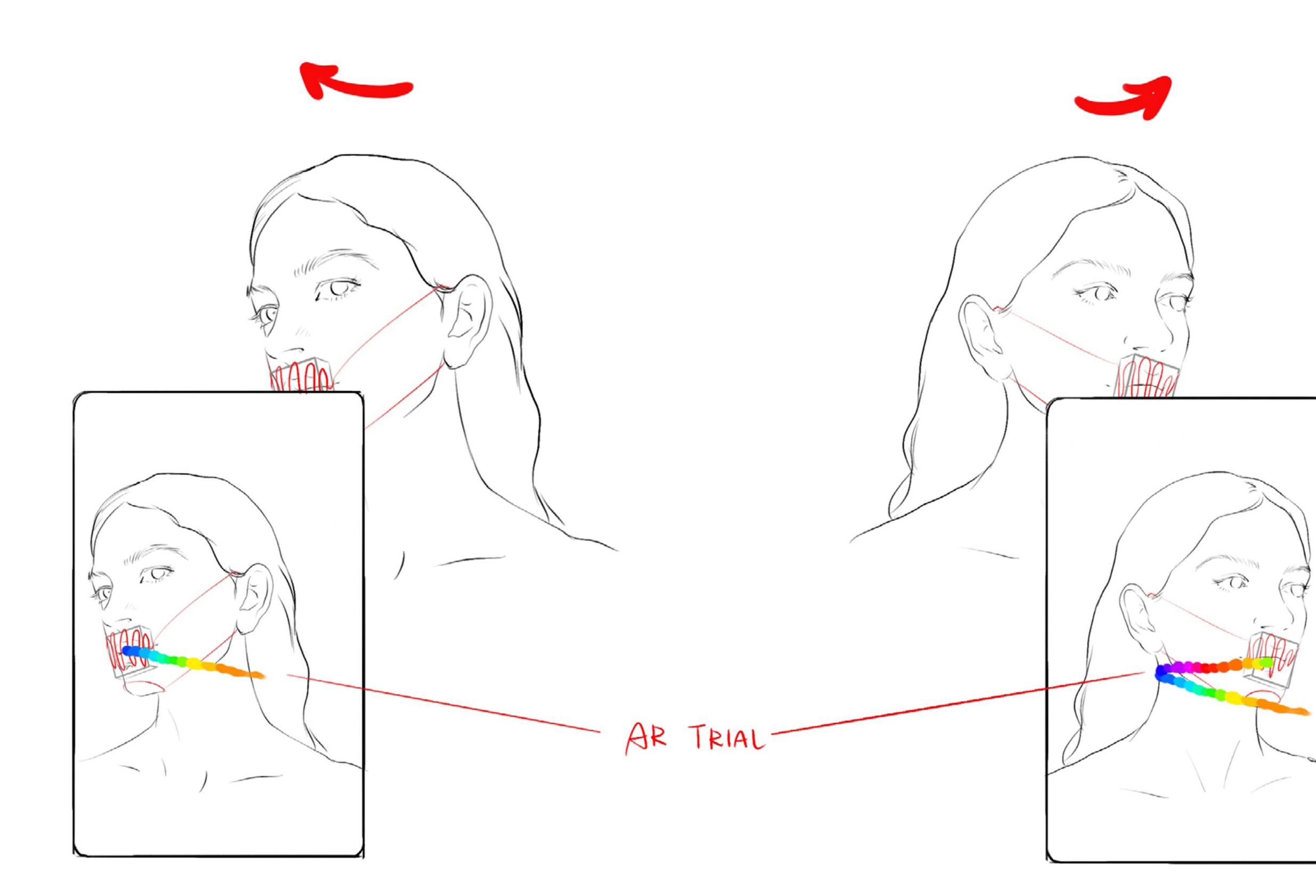
"Block" the traditional way of talking, offering a new solution

Fabric liked material (picture part):

The recognition picture fit in front of the mouth. Air hitting the textile simulates the wave while user talking

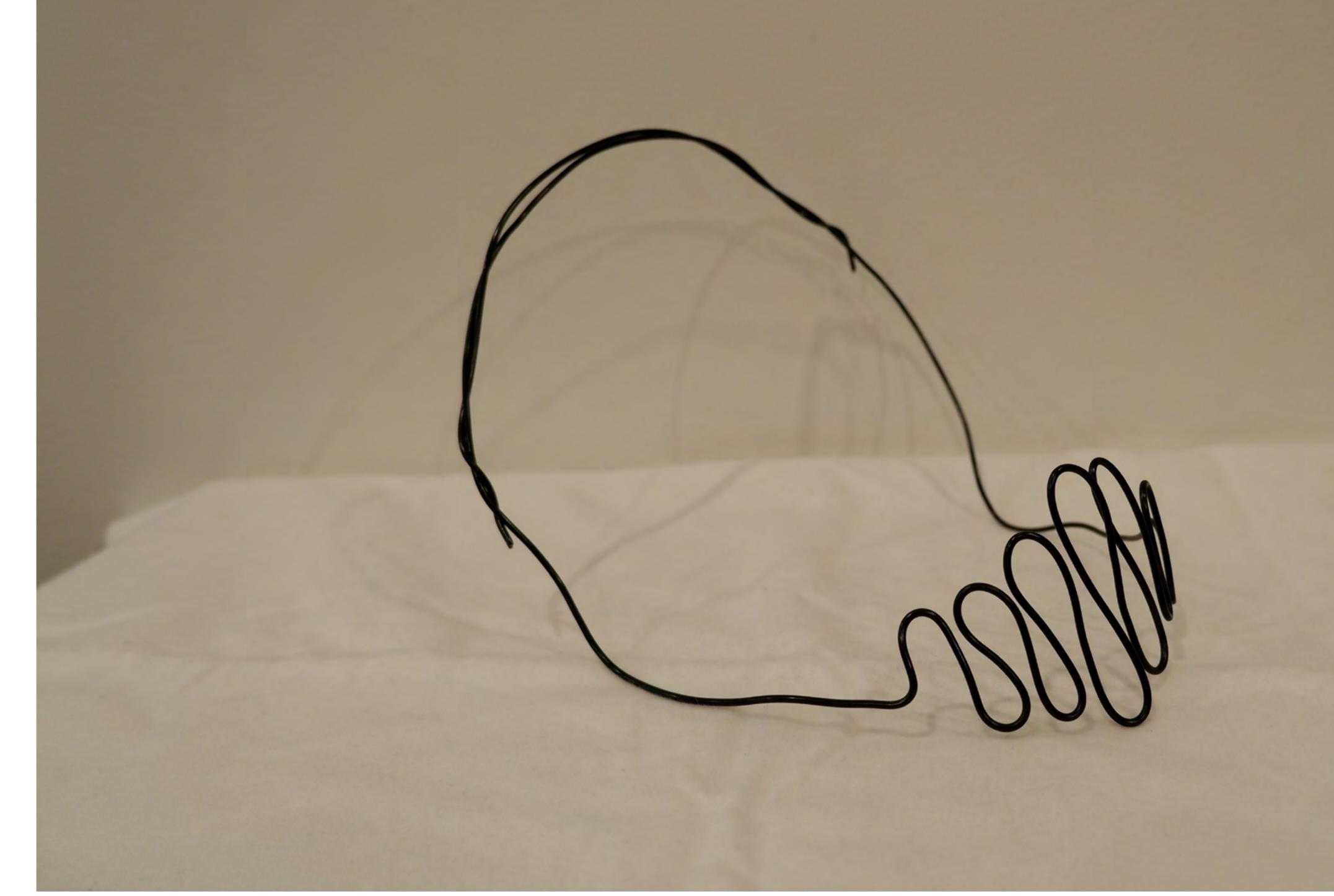


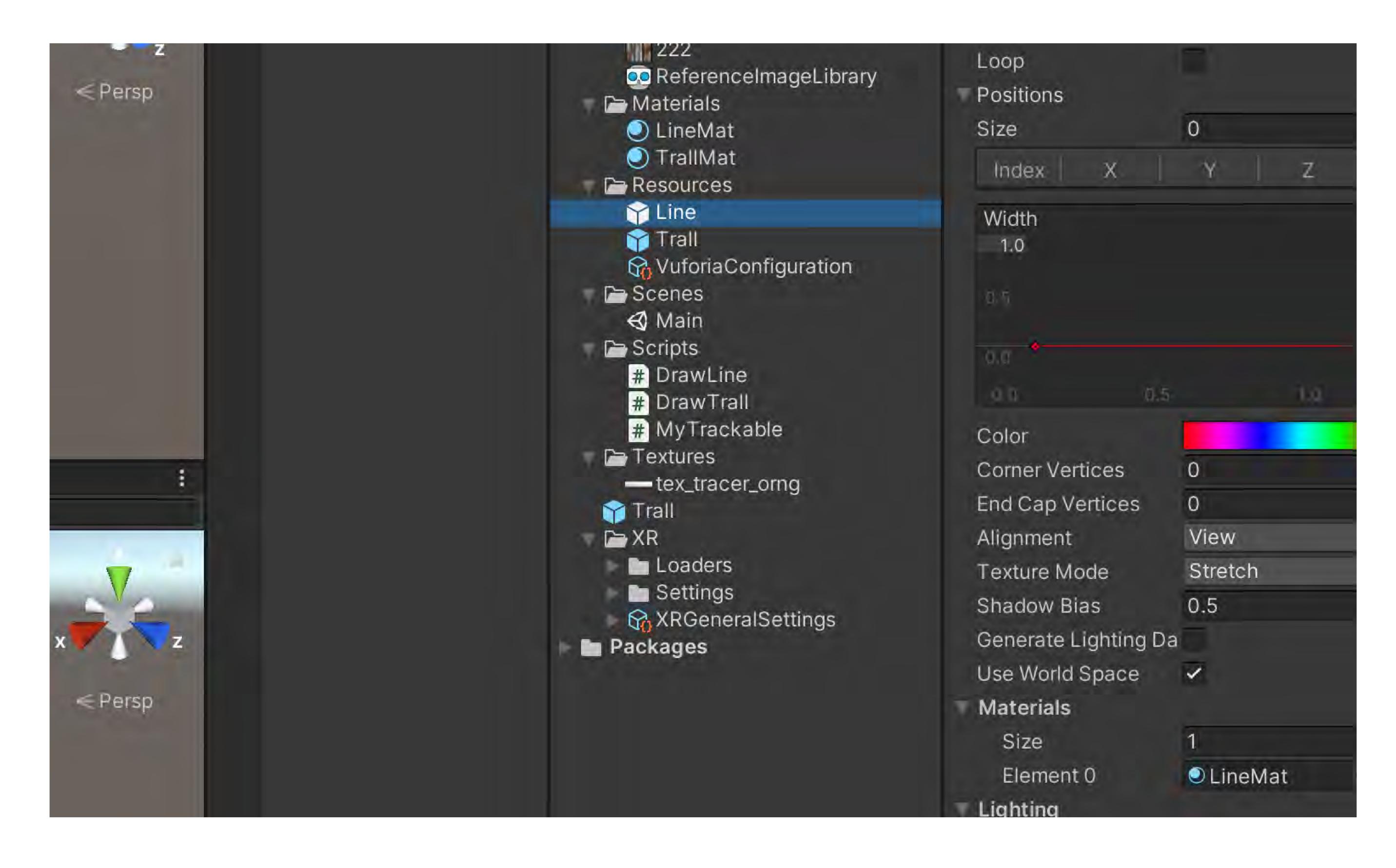




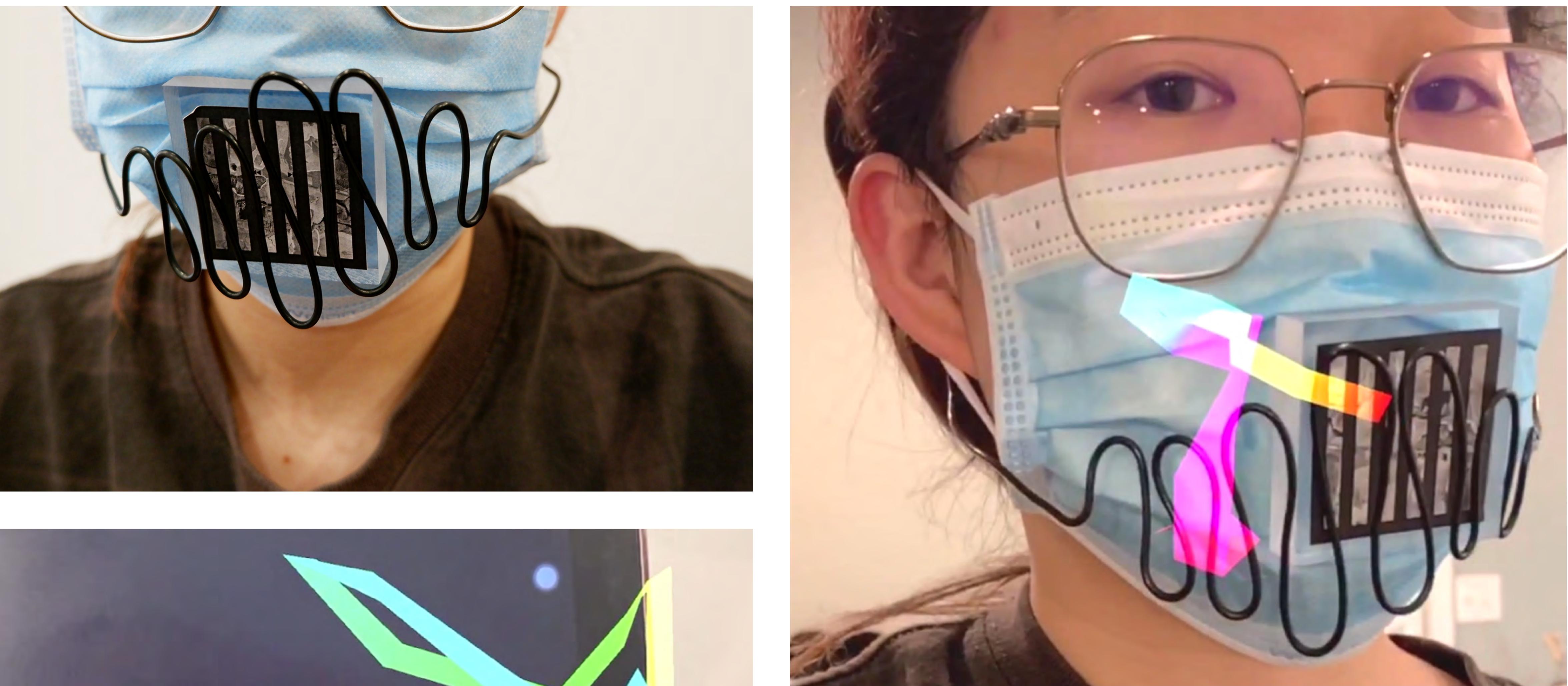
PROCESS

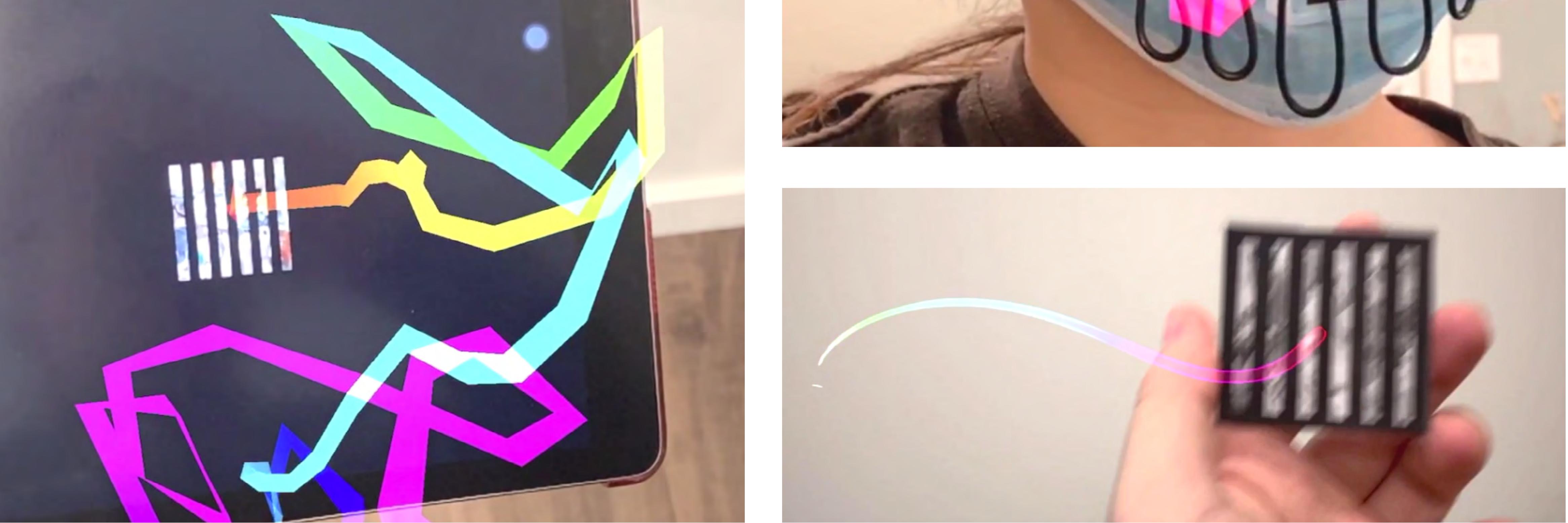






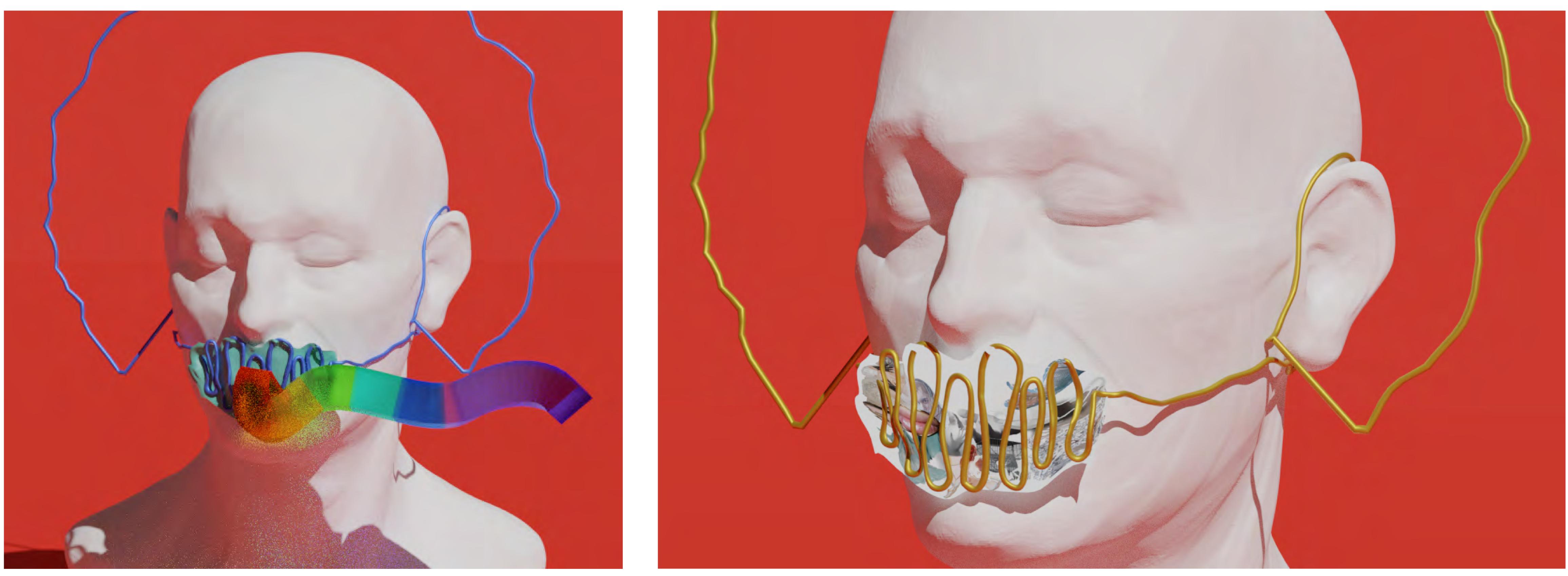






FINAL OUTCOMES





"Head Sketch" by Alejandro.Planas is licensed under Creative Commons Attribution.

