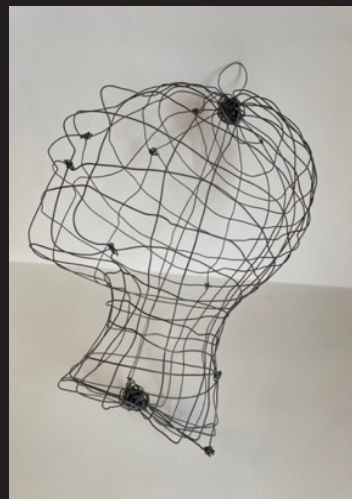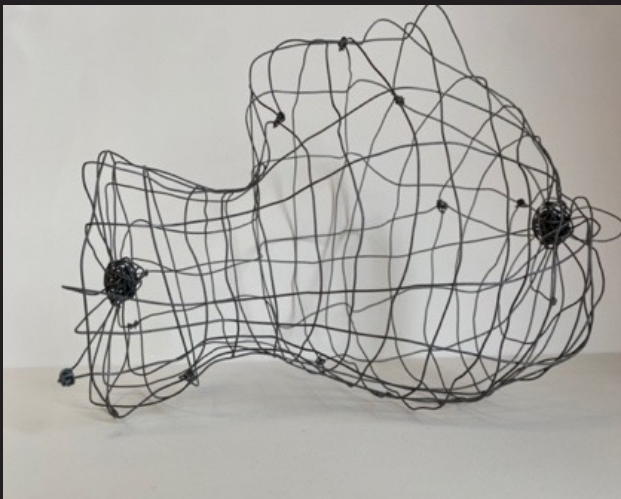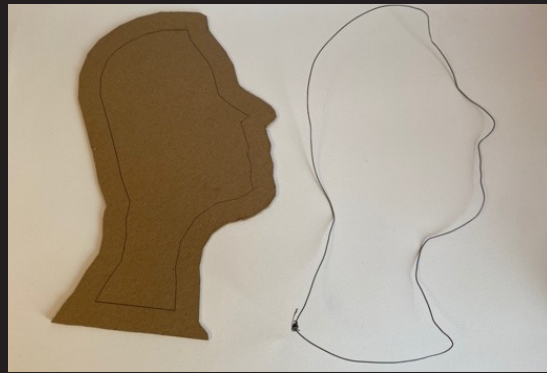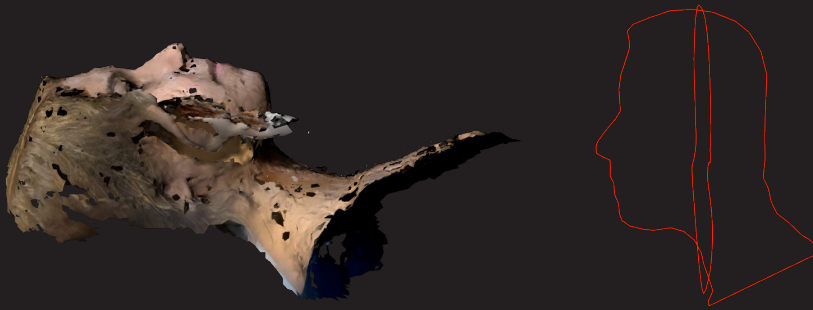# PERCEPTIONS

A PORTFOLIO

KARLA TAMEZ

I. SELF-PERCEPTION

PROJECT NAME: "SELF PORTRAIT"
DESIGN PROCESS:
    1. 3D facial scan file imported into Rhino
    2. 2D facial contours extracted digitally
    3. Wires shaped by lasercut contour templates
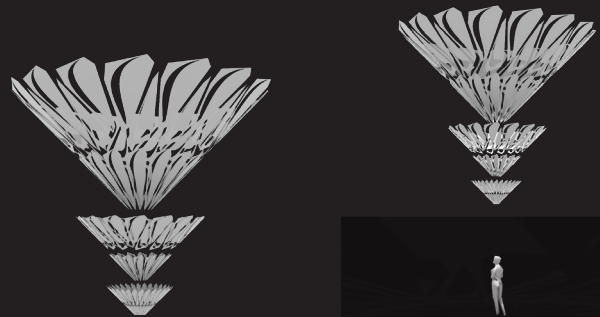   4. Radial unification of separate wire outlines

II. VISUAL PERCEPTION

PROJECT NAME: "LIGHT-ENCLOSED"
DESIGN PROCESS:
1. 3D full-scale model of enclosure formed by light (Rhinoceros & Grasshopper)
2. Construction of small-scale prototype (lasercut components)
3. Integration of automation through addition of Neopixel LED strip controlled by a passive infrared sensor
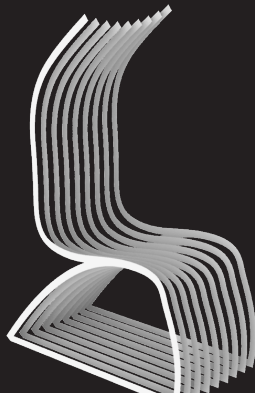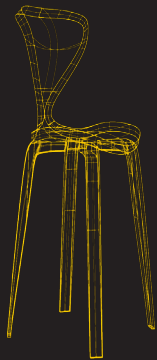
III. PHYSICAL PERCEPTION
(SMALL-SCALE)

PROJECT NAME(S): "SOLID MODELING: CHERNER SIDE
CHAIR" & "SENSUAL CHAIR PROTOTYPE"
DESIGN PROCESS:
1. Solid modeling (Rhino) of pre-existing chair (Cherner
   Side Chair)
2. 3D print of 1/4-scaled model (Cherner Side Chair;
   3D Projet 660 3DS powder printer)
3. Design and lasercut 1/4-scaled prototype of personal
   chair

III. PHYSICAL PERCEPTION
(FULL-SCALE)

PROJECT NAME(S): "SENSUAL CHAIR"
    1. Solid modeling/ design (Rhino) of full-scale chair
    2. CNC wood carving and final assembly of joint-connected chair