DESIGN COMPUTING PORTFOLIO

3D MODELING IN RHINOCEROS WITH PYTHON RHINOSCRIPT

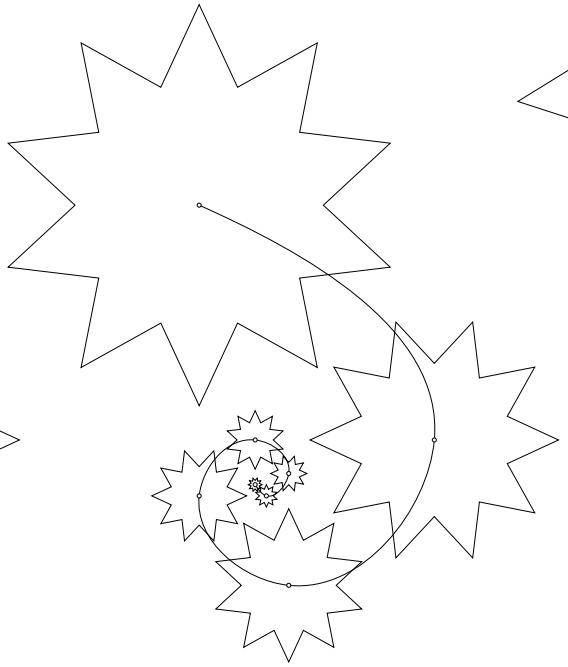
ŞEYMA NUR ÖZ

Taught by Glenn Wilcox
Associate Professor of Architecture
University of Michigan/FutureLearn

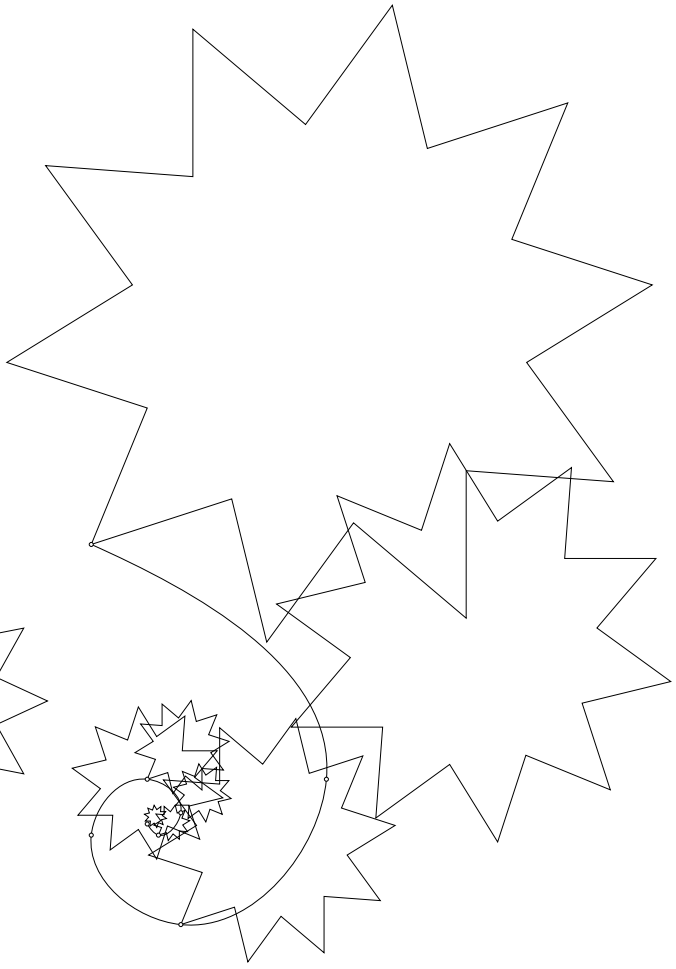
ASSIGNMENT 01

POINTS | LINES | SHAPES

EX 1



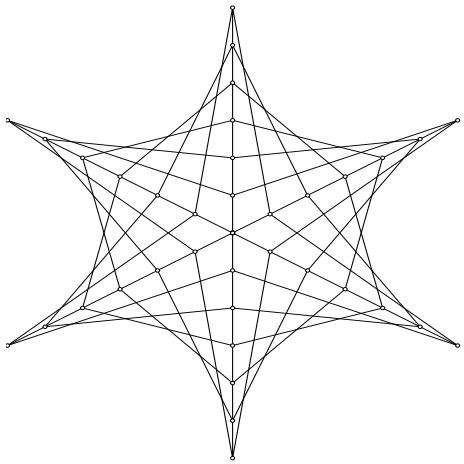
EX 2

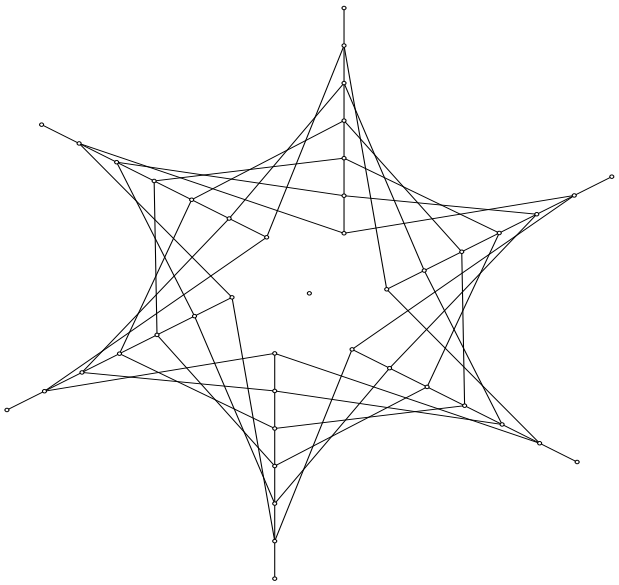


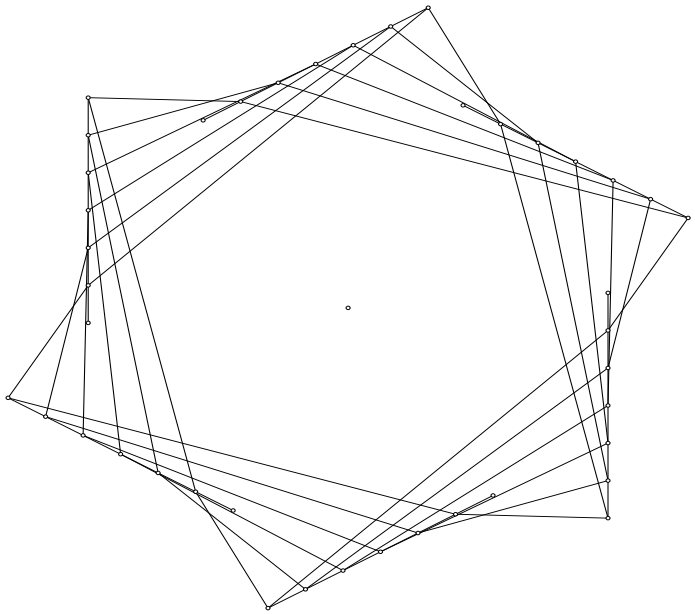
EX 3

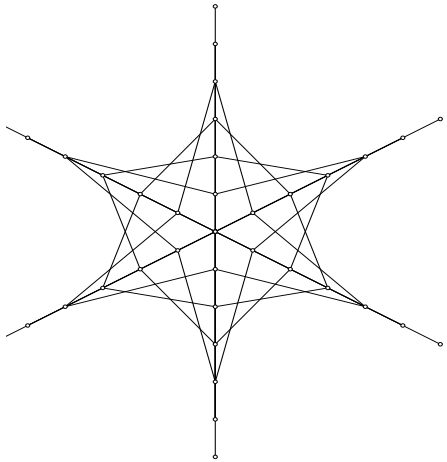
ASSIGNMENT 02.1

BONE STRUCTURE



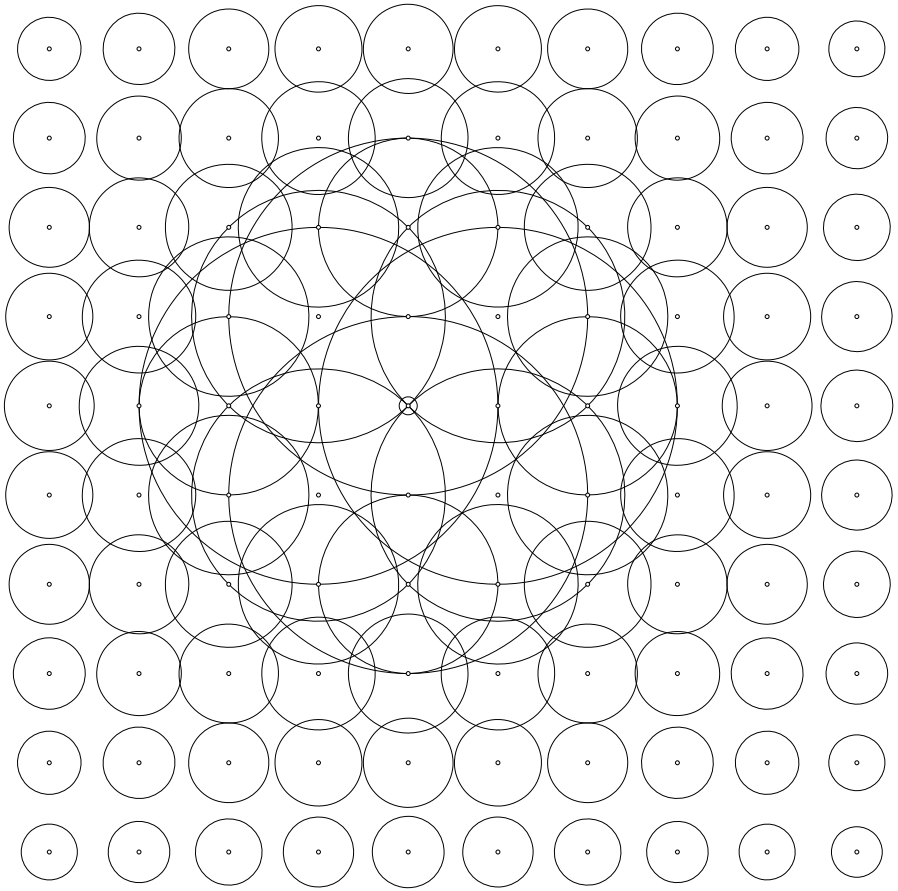


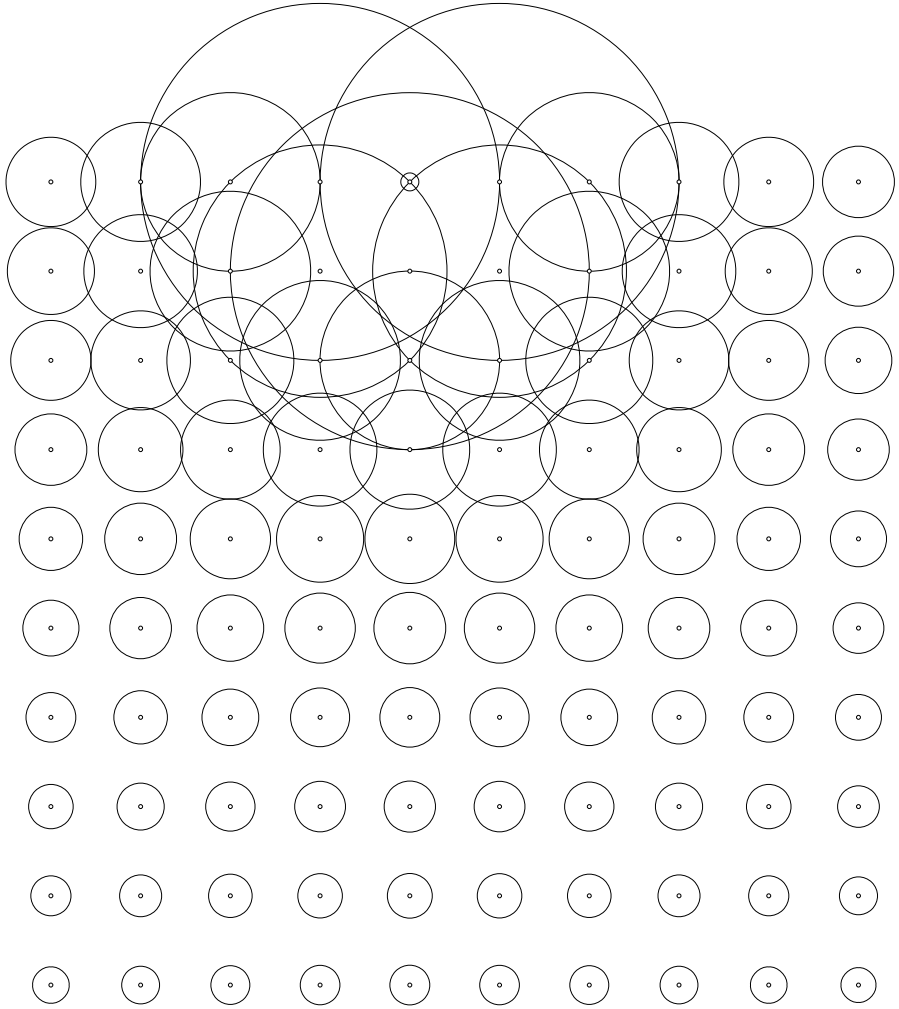




ASSIGNMENT 02.2

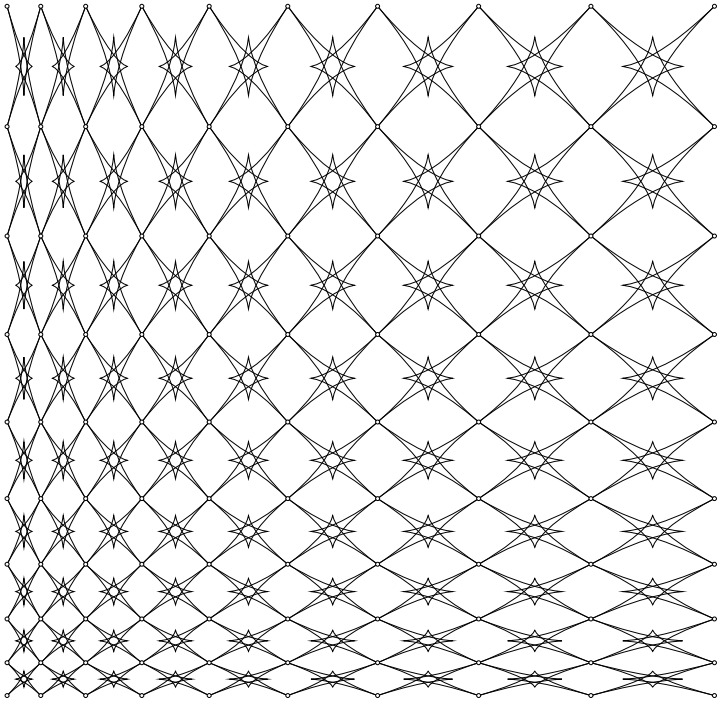
PATTERNING

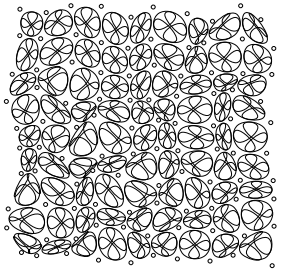


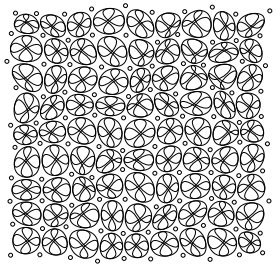


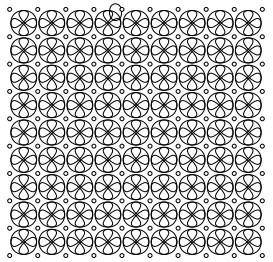
ASSIGNMENT 03.01

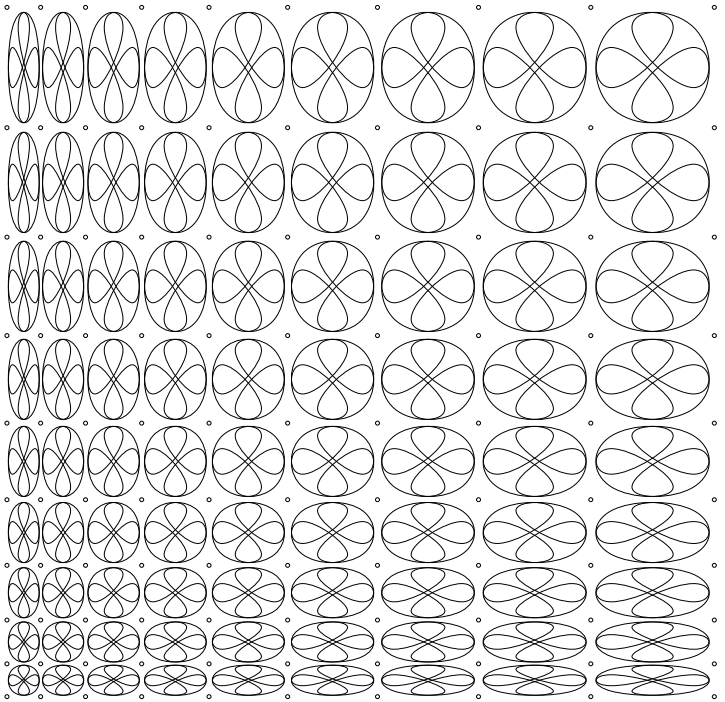
PATTERNING DICTIONARY

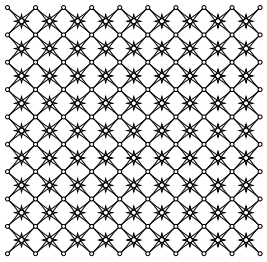


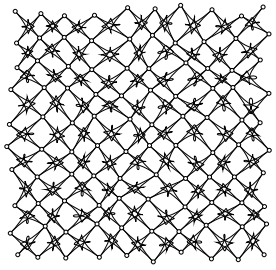


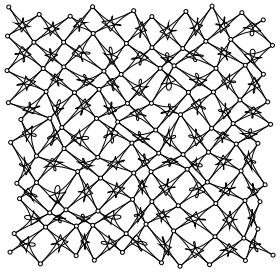






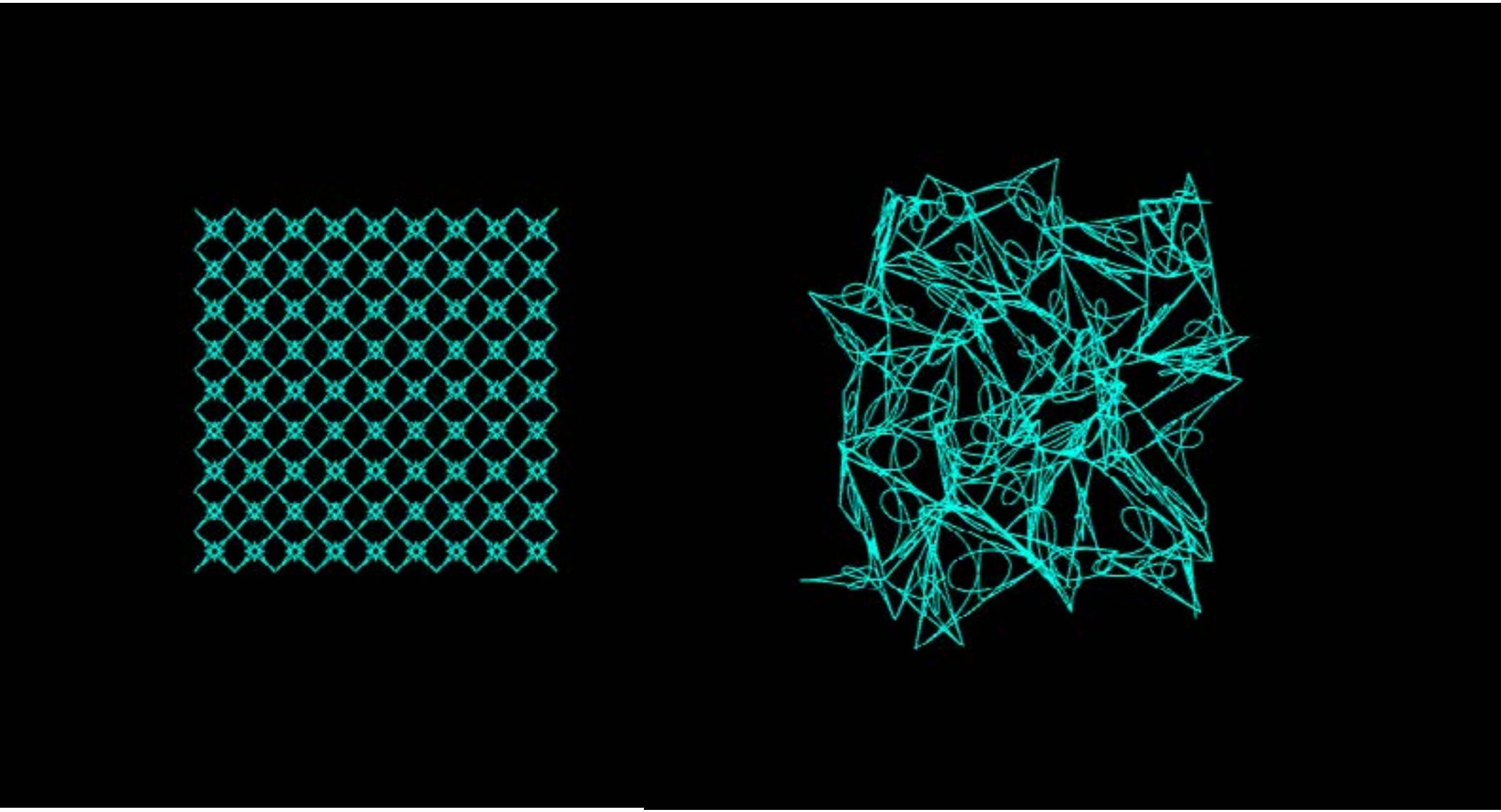






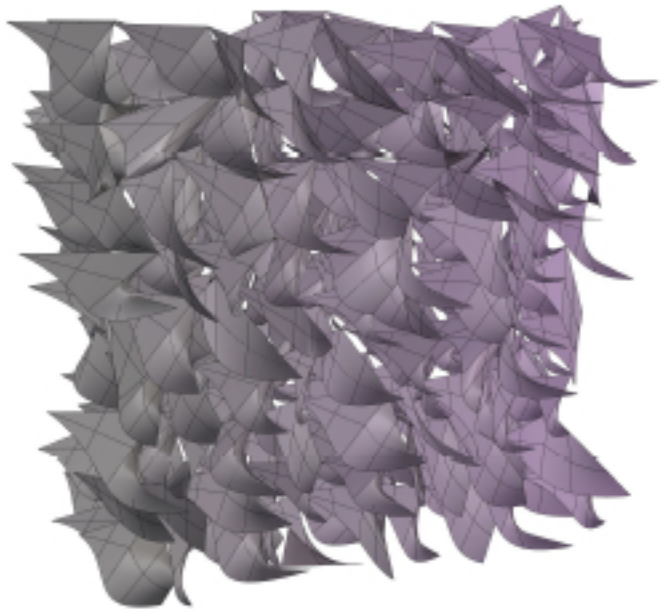
ASSIGNMENT 03.2

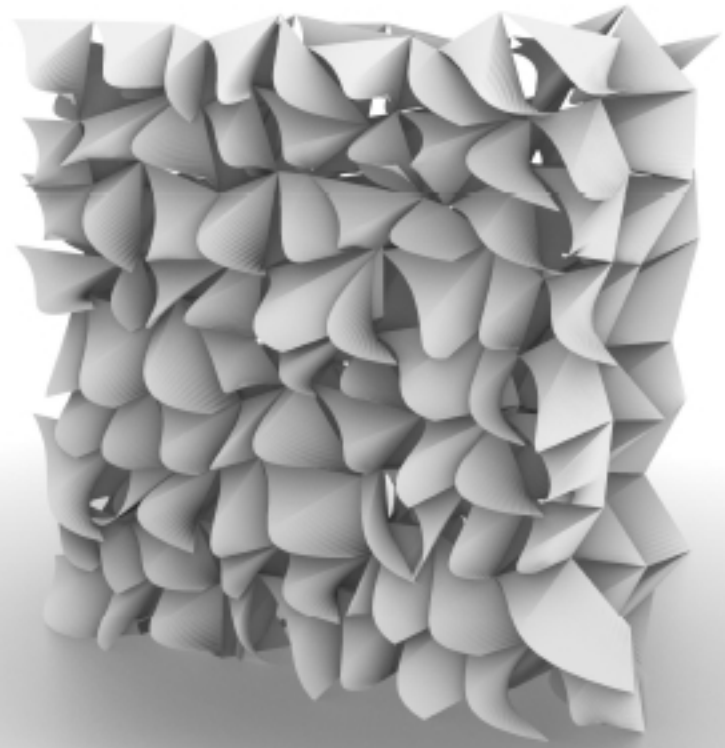
PATTERNING ANIMATION

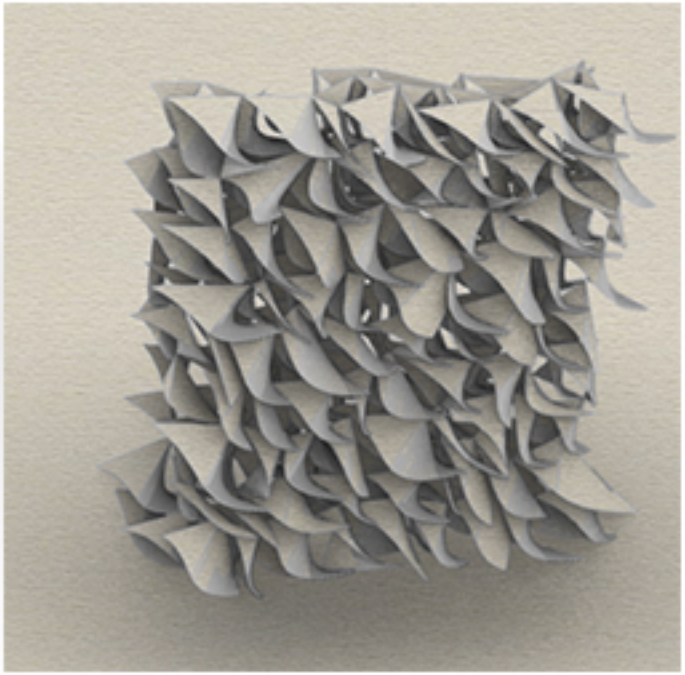


ASSIGNMENT 04

3D MATRIX WALL

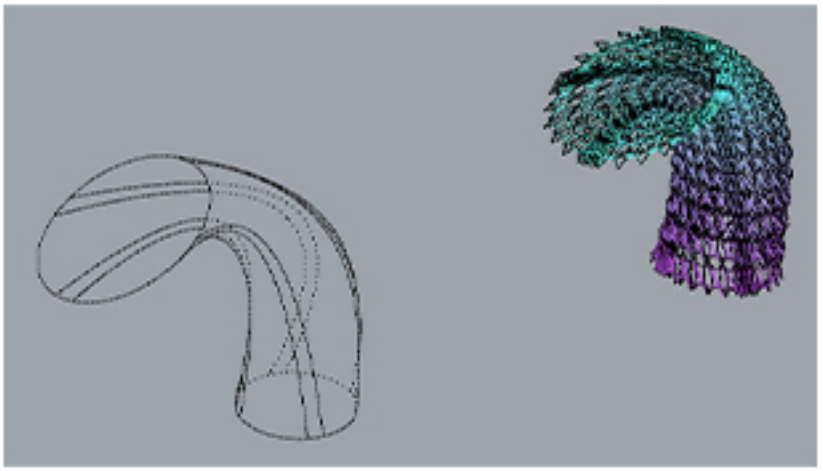


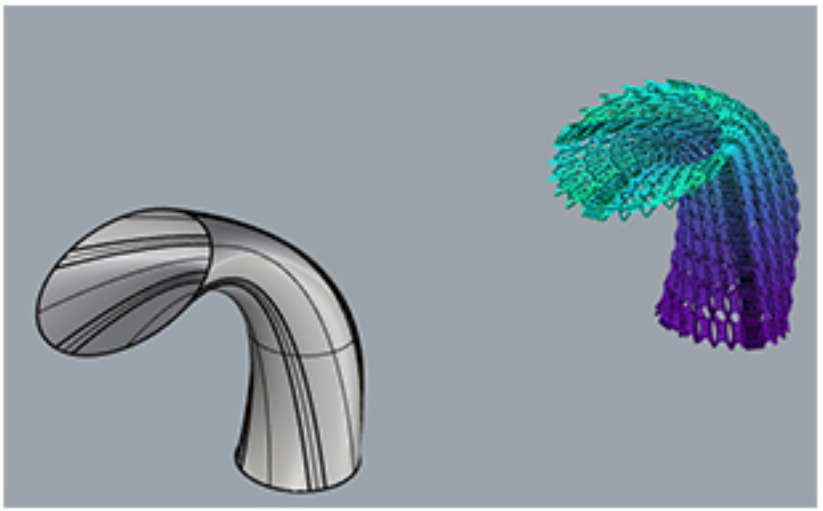




ASSIGNMENT 05

BONE STRUCTURE





FINAL REFLECTION

Before starting the course, I was using the Rhino a lot. However, making repetitive things in Rhino takes time. I think this course will be very beneficial in my future designs.
The first assignments were simple assignments for teaching the basics of Rhinoscript. What I will need is week 4 and 5 content, but to achieve them, we needed to learn the basic things. Because of that, I proud of my last assignments more.
The most crucial thing thought in the course is “designing a loop,” I think.
Facing errors in Python is the most challenging thing from my perspective. For debug, I used the guidelines given in the course, or I searched on the Internet.