Institute for advanced architecture of Catalonia | BARCELONA

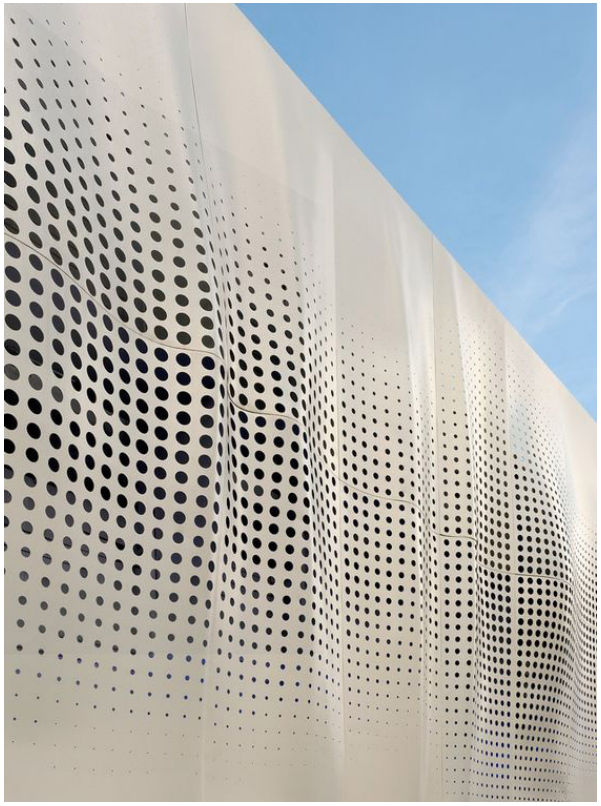
MASTER IN ADVANCED ARCHITECTURE
SO.3 COMPUTATIONAL DESIGN
2017/2018

TUTORS: RODRIGO AGUIRRE, ALDO SOLLAZZO

ASSIGNMENT 1: FACADE

M.Amin / Ziaie Bigdeli

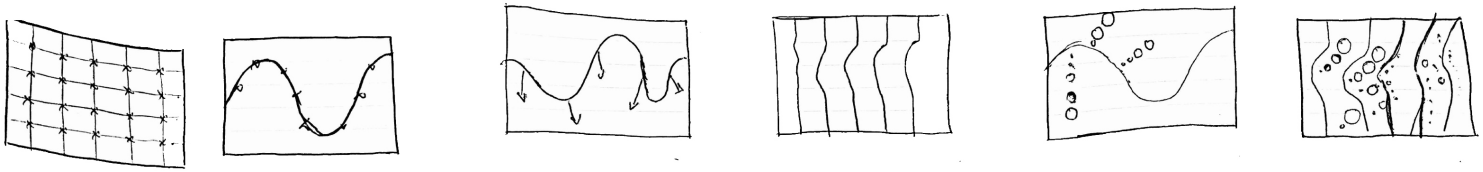




First Experience :
Zahner headquarters-north-side, Kansas City
designed by: Crawford Architects

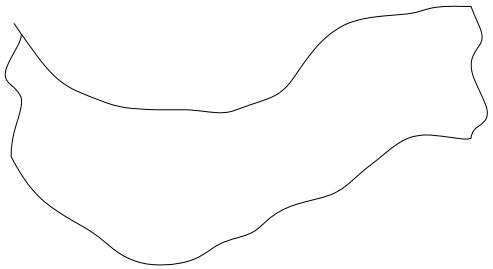
Further Practice with Algorithm :
https://nl.pinterest.com/pin/142215300703776344/

Sketches

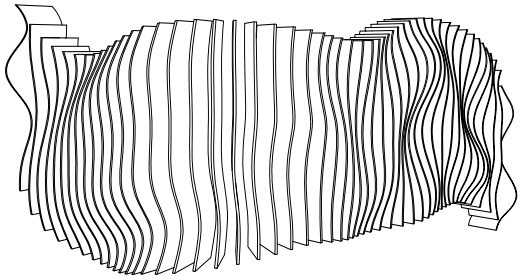


1 2 3 4 5 6

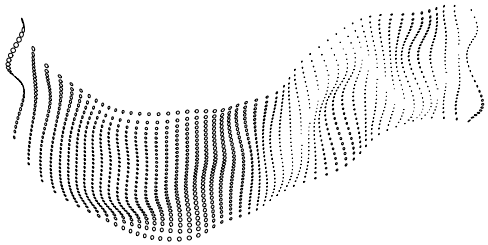
1. Generate a Surface and divide
2.Make a Curve in rhino and use pull points to generate a surface + using graoh mapper to control more with surface
3.move points on surface to make new surface
4. using vertical lines of grid to make a Vertical Panels
5. for further experience use the same curve as an attractor points
6.making



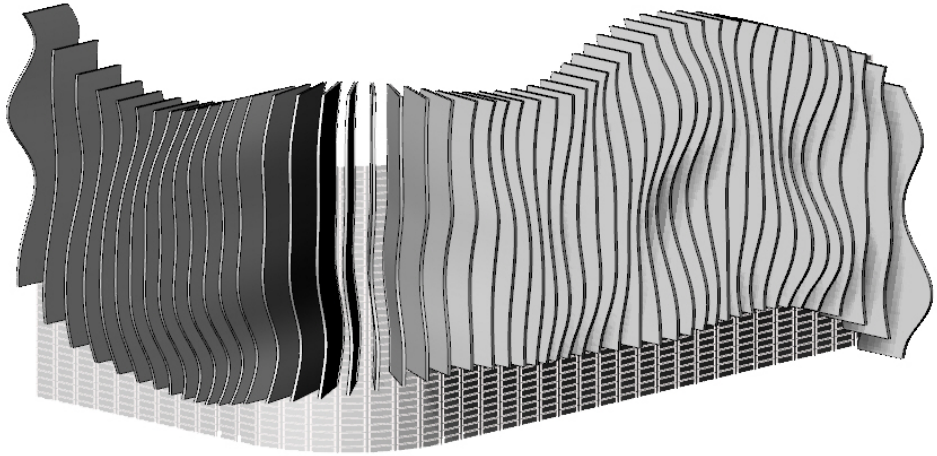
Deformed surface

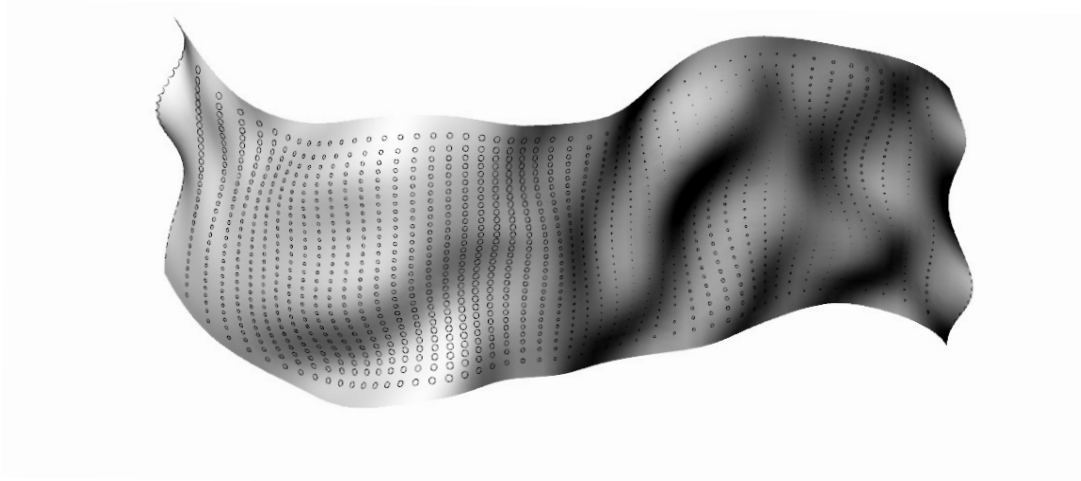


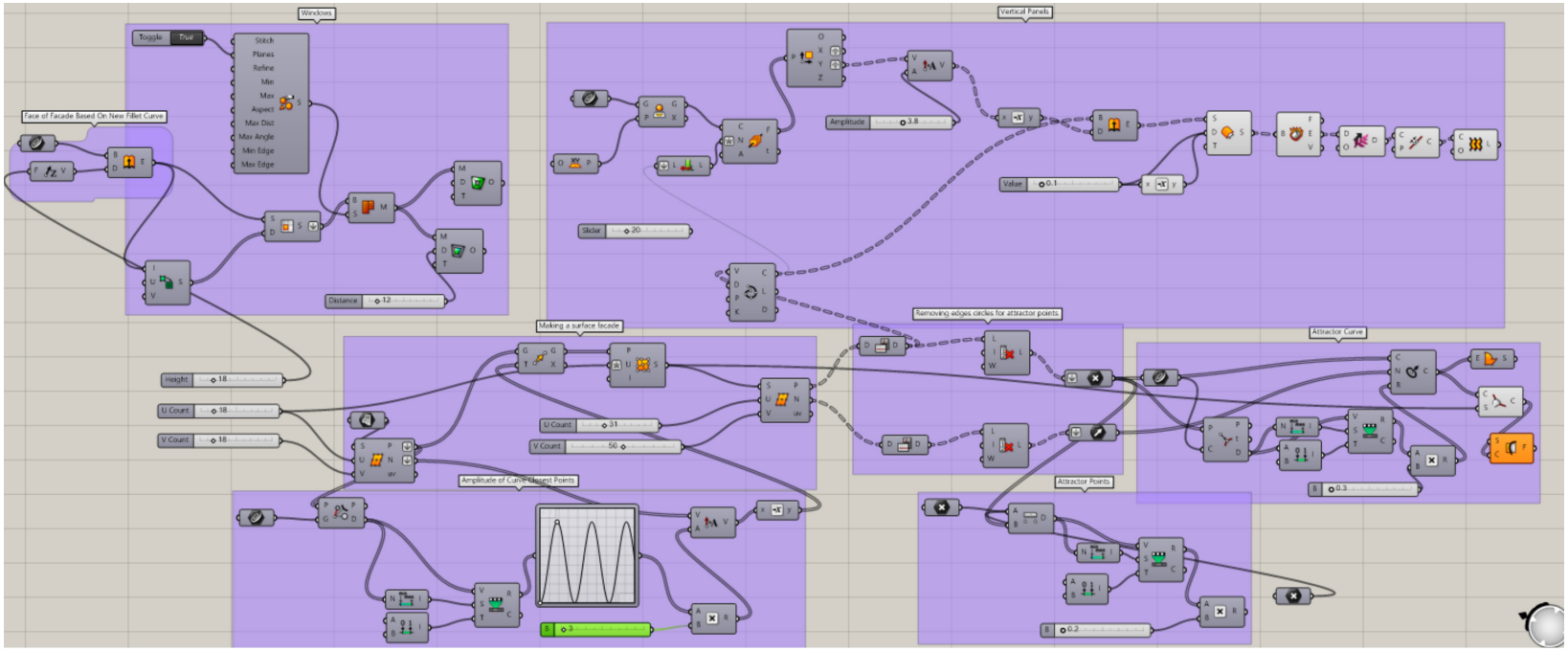
Vertical Panels



Circles using Attractor Points






Windows
Vertical Panels
Making a surface facade
Removing edges circles for attractor points
Attractor Curve
Amplitude of Curve Closest Points
Attractor Points