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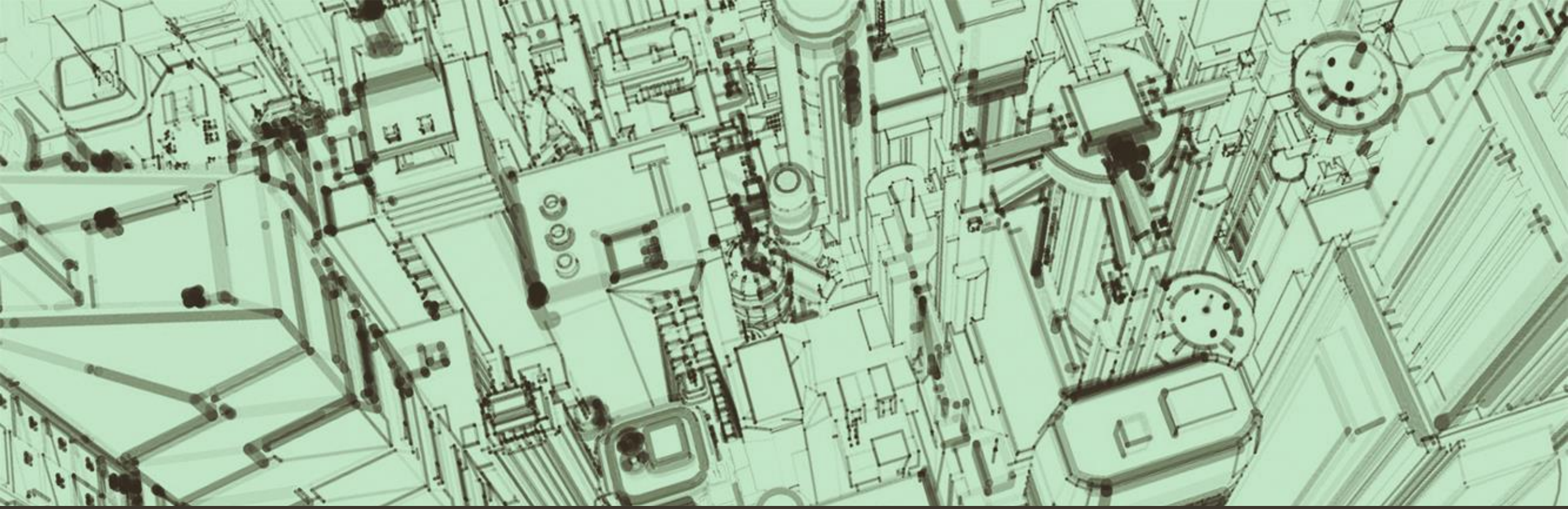
Indigenous Architectural Structure

Catherine Romsey
Providence College

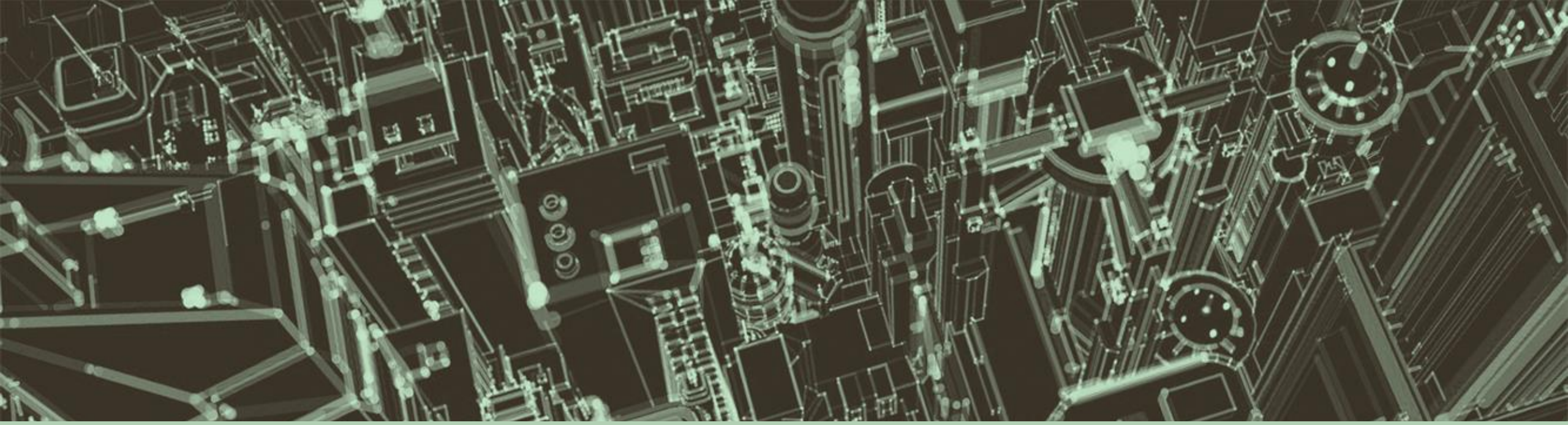


ART 490: Digital Imaging Architecture

Professor: Janecek | Student: Catherine Romsey

Who Am I…

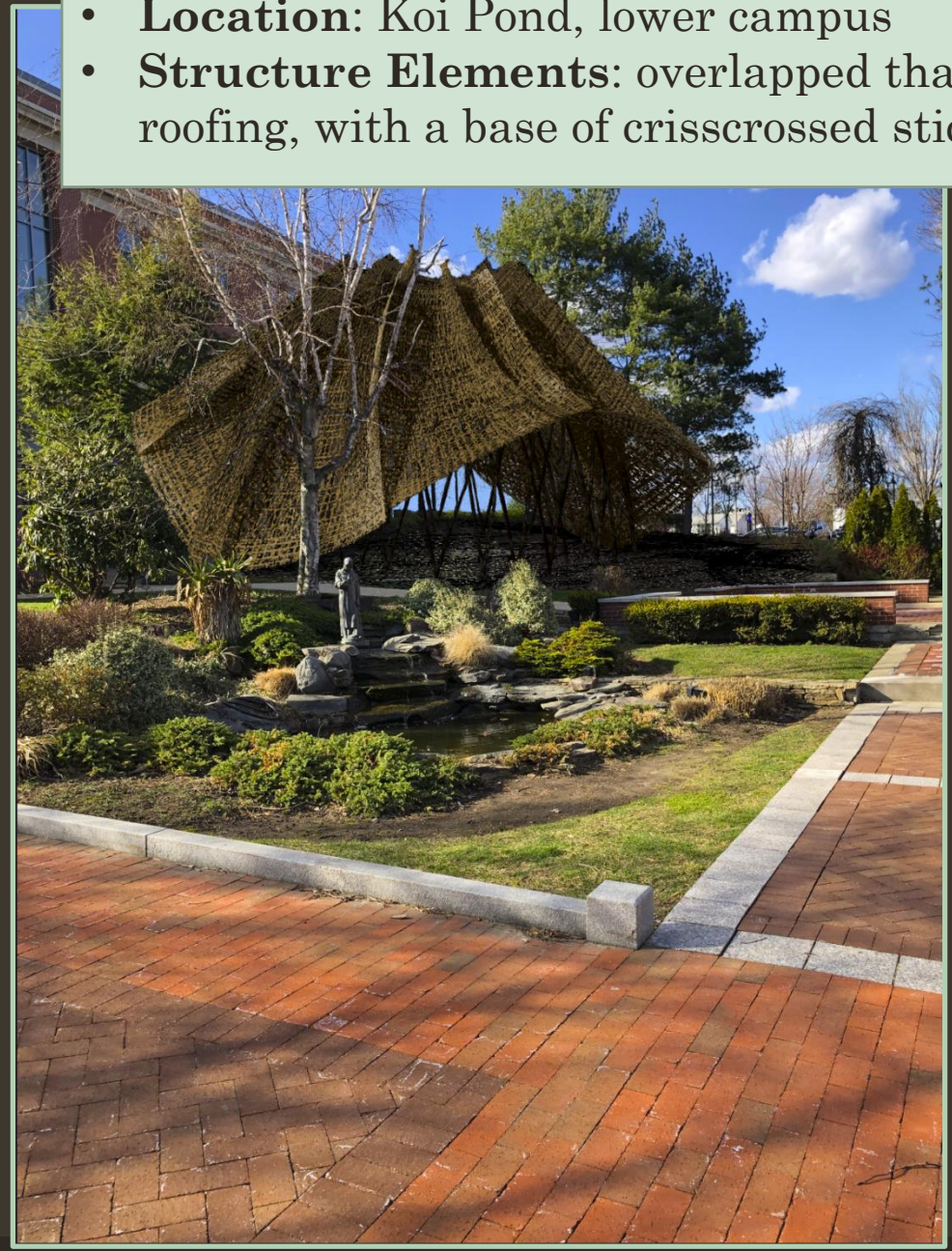
- **Name**: Catherine Romsey
- **Grade**: Junior (Class of ’23)
- **Major(s)**: Management and Marketing
- **Minor(s)**: Art (Concentration in Digital Imaging)
- **Extra Curriculars**: Women’s Club Rugby



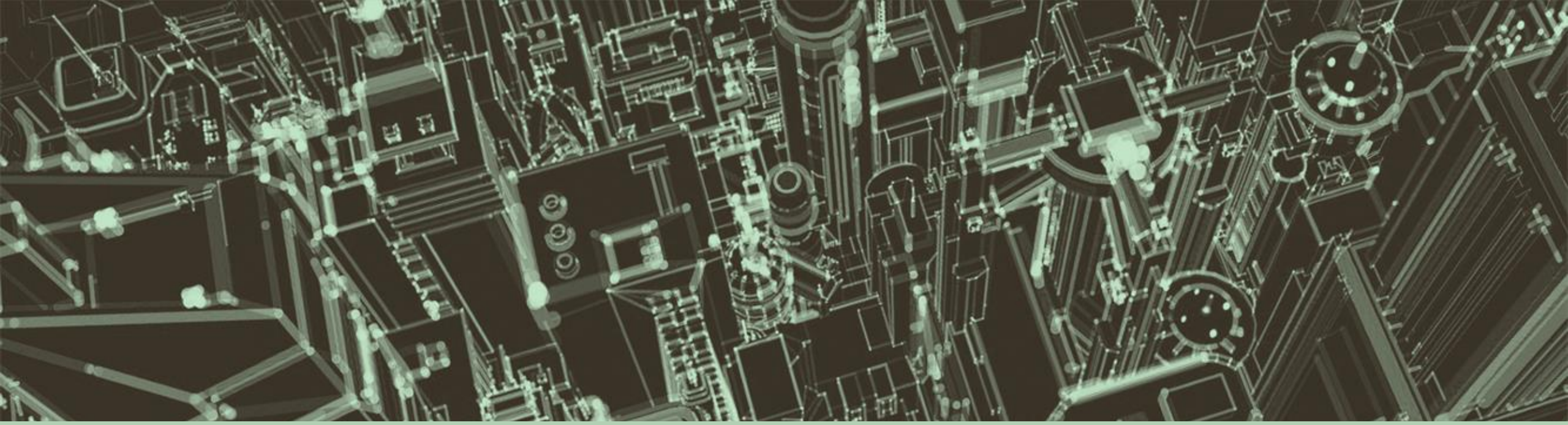
Constructing Indigenous Structures on Campus

Platforms Used: Zbrush and Photoshop

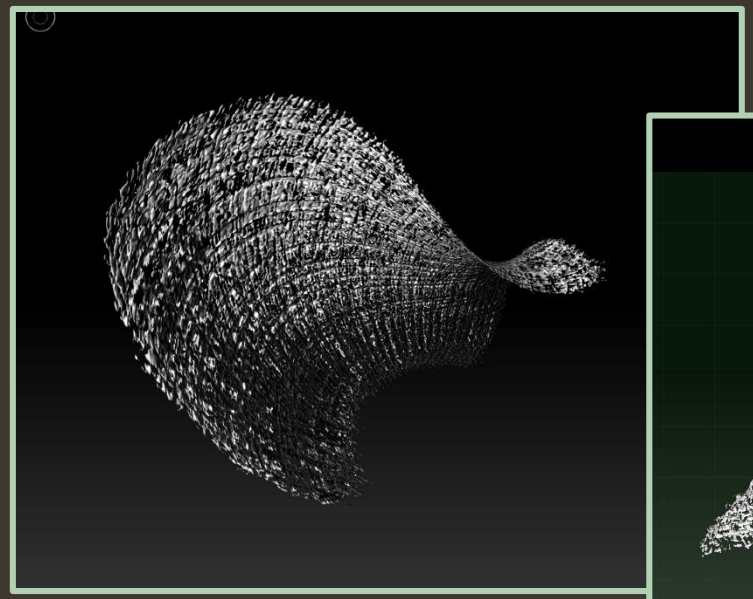
- **Location**: Koi Pond, lower campus
- **Structure Elements**: overlapped thatched roofing, with a base of crisscrossed sticks

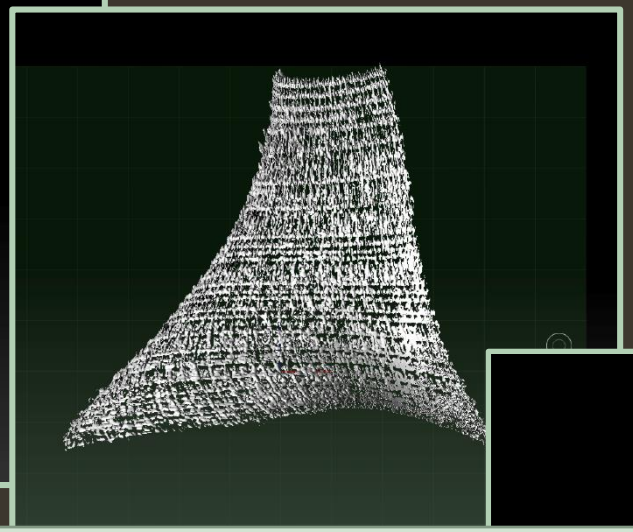


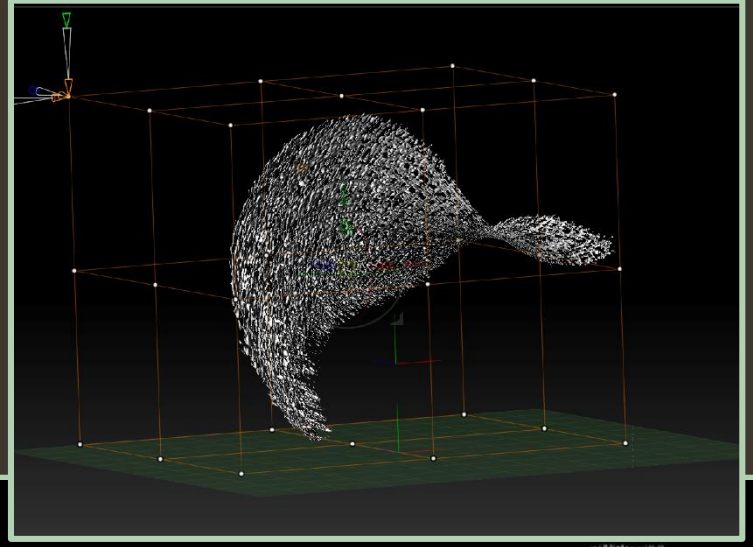
Why Here: The natural and indigenous design of the structure enabled it to blend nicely with its surrounding environment.



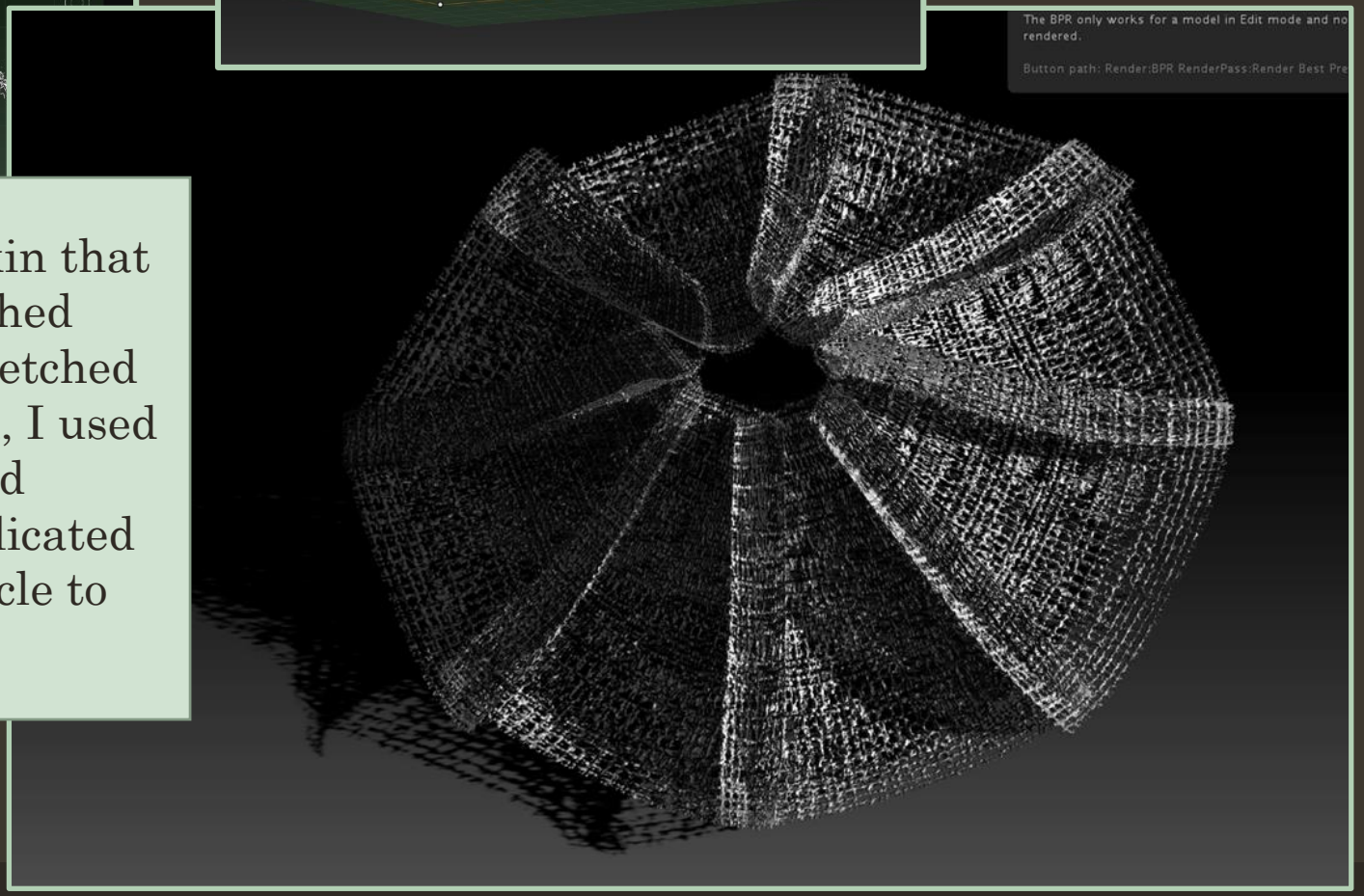
Evolution of My Structure...

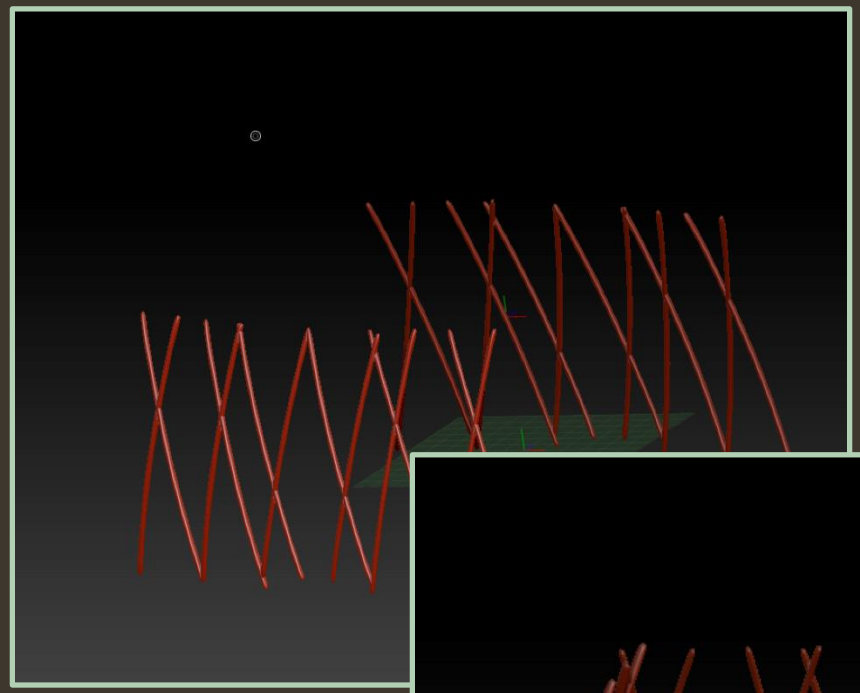


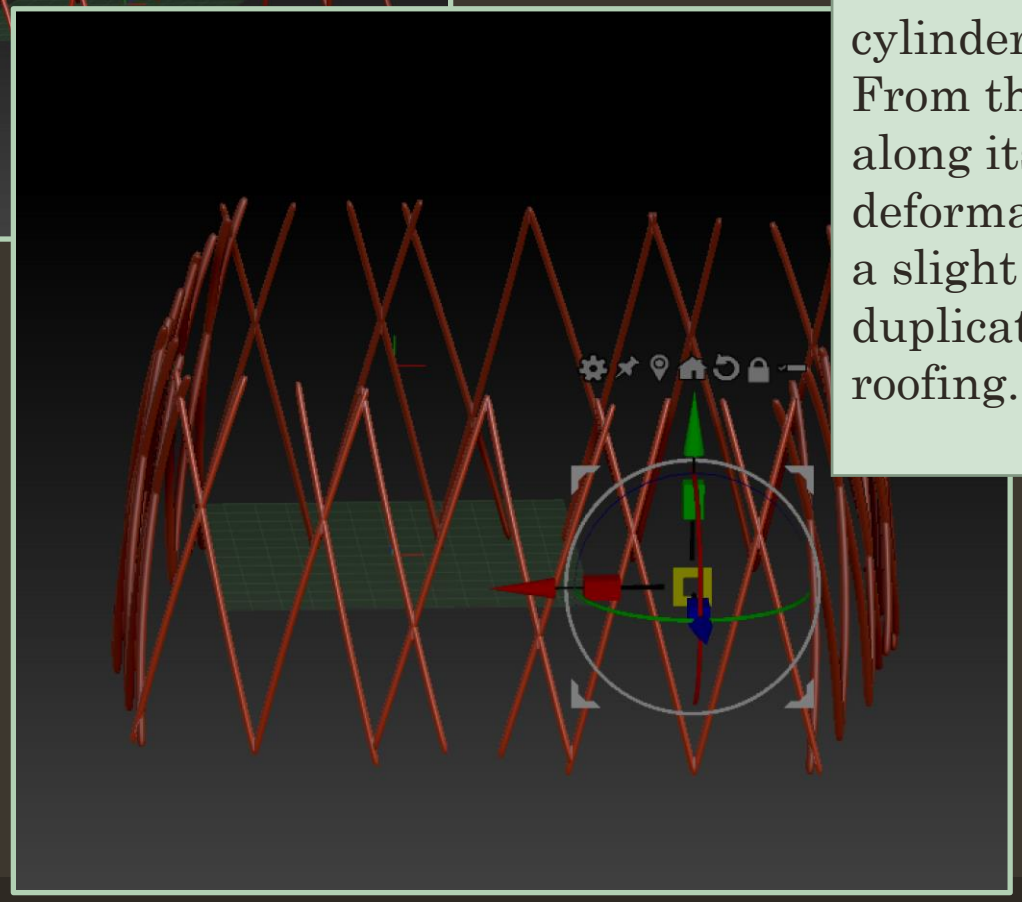




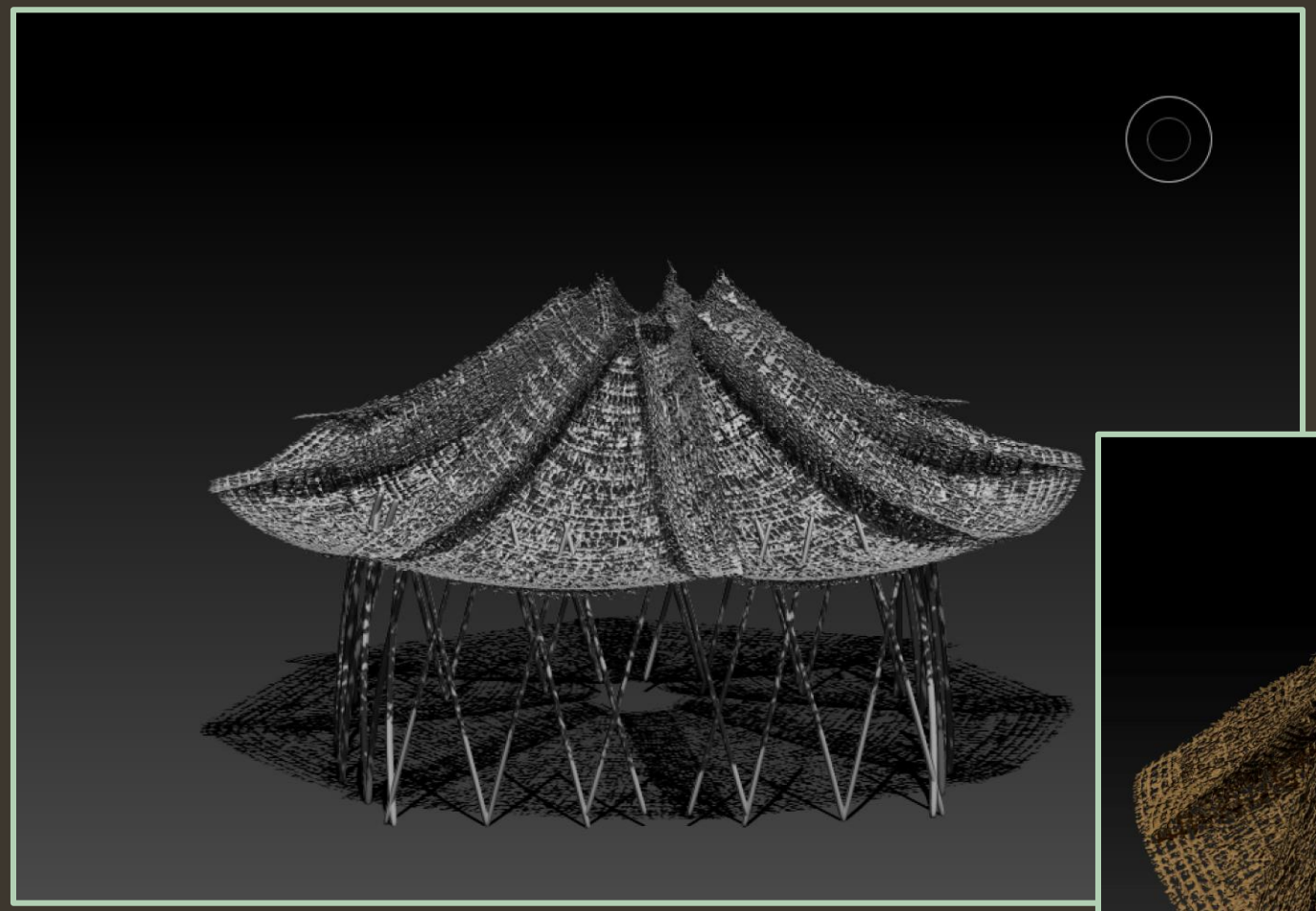
To build the roof, I first began with a zsphere skin that was created by laying zspheres on top of a thatched roof, comprised of woven 3D cubes that were stretched into long planks. After forming the zsphere skin, I used the deformation tool to “misshapen” the thatched rectangle. Once I had the shape I desired, I duplicated it and layered, overlapping the pieces, it in a circle to create a dome-like roof.

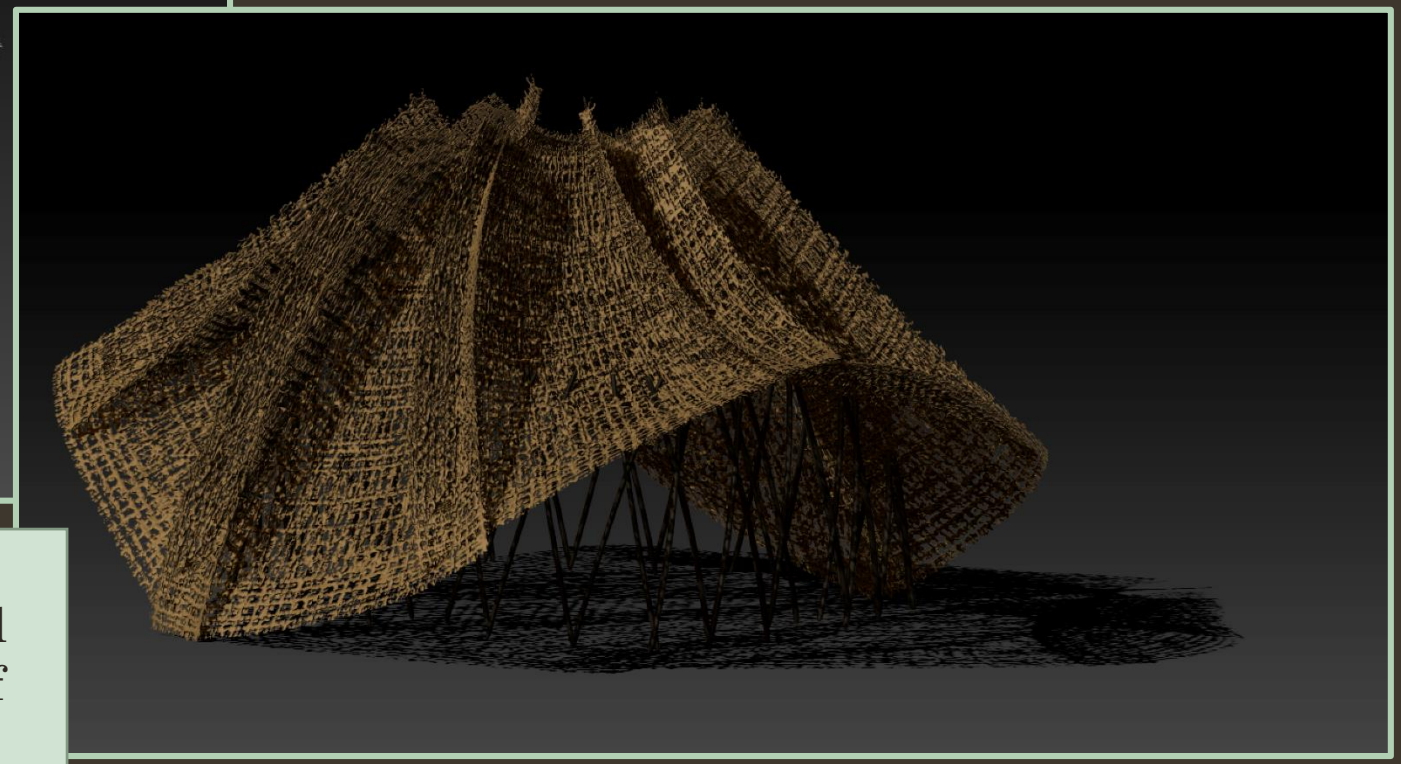




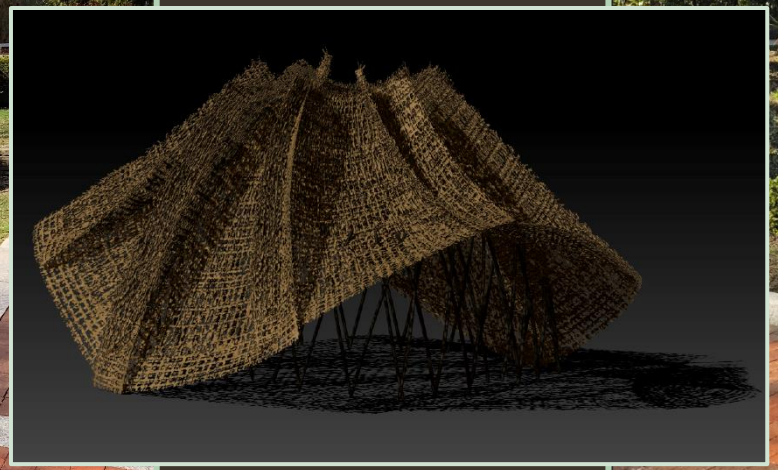


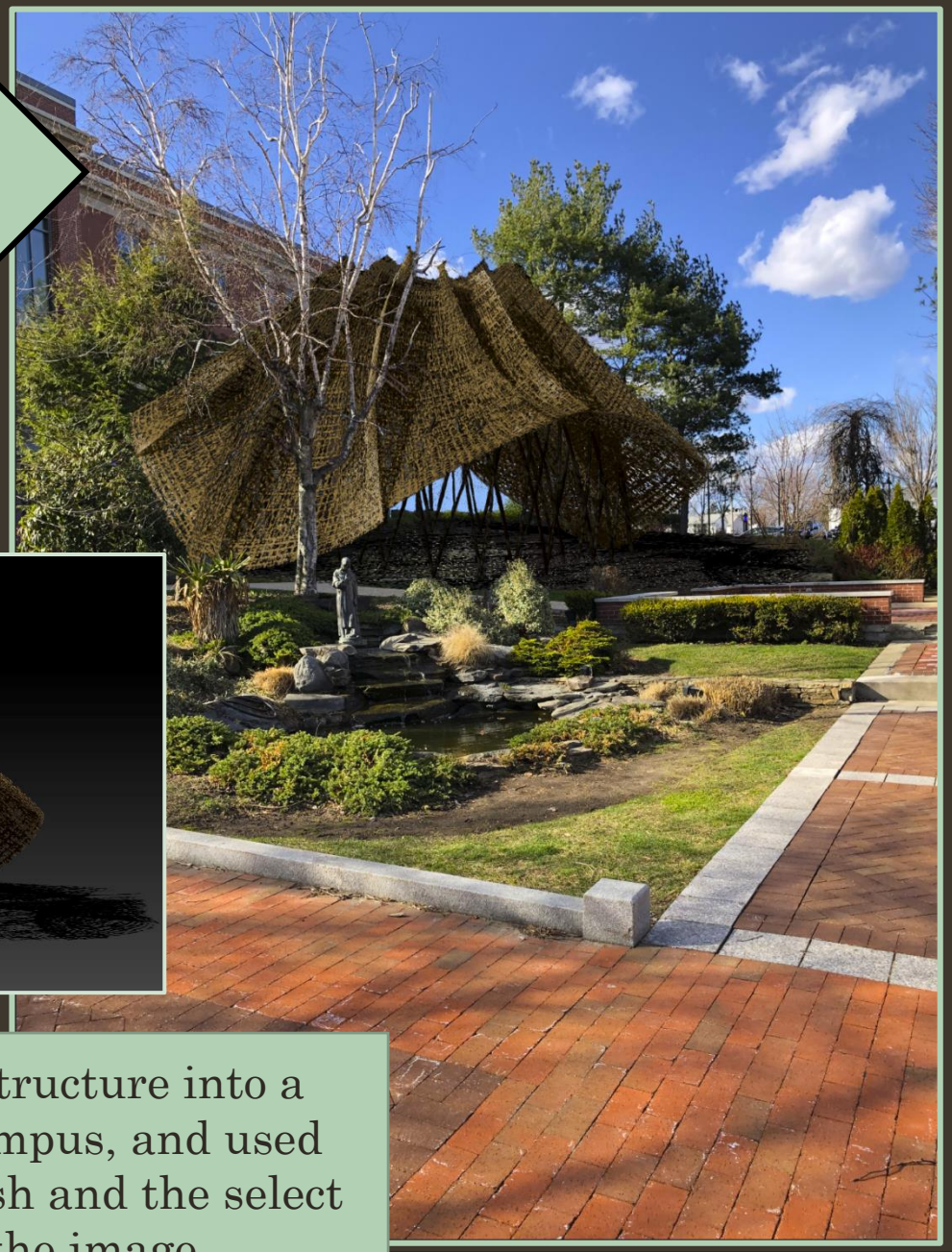
To build the base, I first stretched and condensed a cylinder to create a long “pole” with a small diameter. From there I duplicated the shape and rotated it along its axis to create an “x”. And finally, I used the deformation tool in Zbrush to curve the shape creating a slight “c” bend. Once I had my final shape, I duplicated it and created a circle-like base for my roofing.





Once I attached the roof to the base, I used the deformation tool again to bend the roof around the base, enclosing it.





Using Photoshop, I inserted my structure into a photo I took of the Koi Pond on campus, and used various tools such as the paint brush and the select tool to fit my structure into the image