2021 FIRST PRIZE

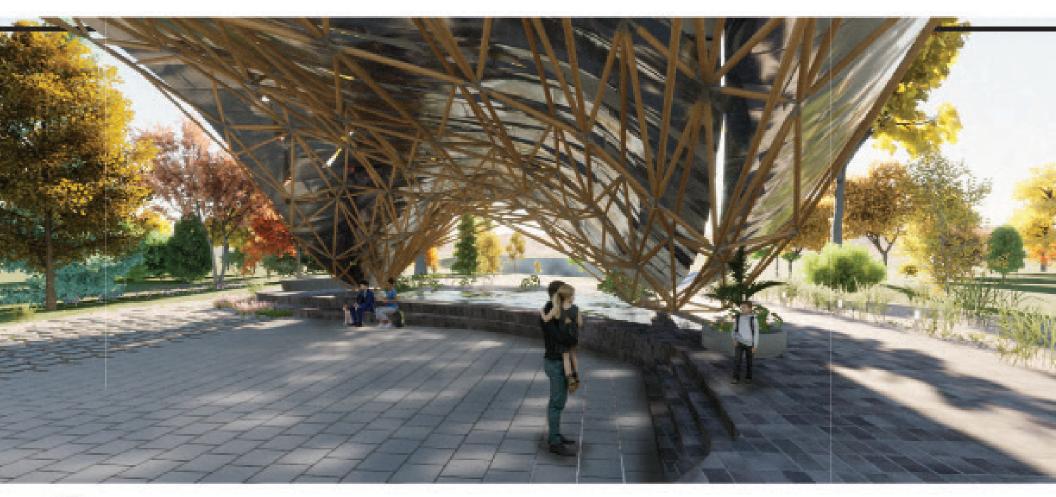
Josiah Kinney

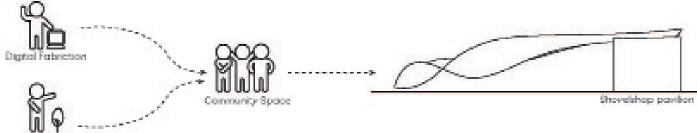
CLEMSON UNIVERSITY

FACULTY ADVISOR - DAVE LEE



SHOVELSHOP PAVILION

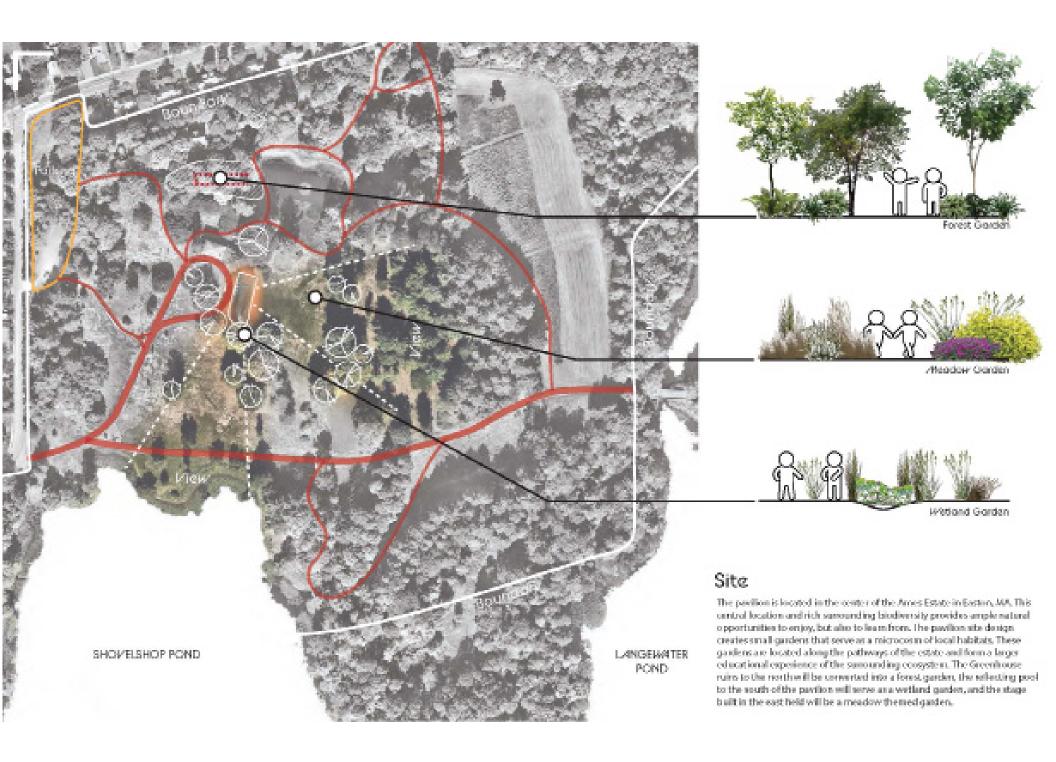




Natural Pierra.

Project Overview

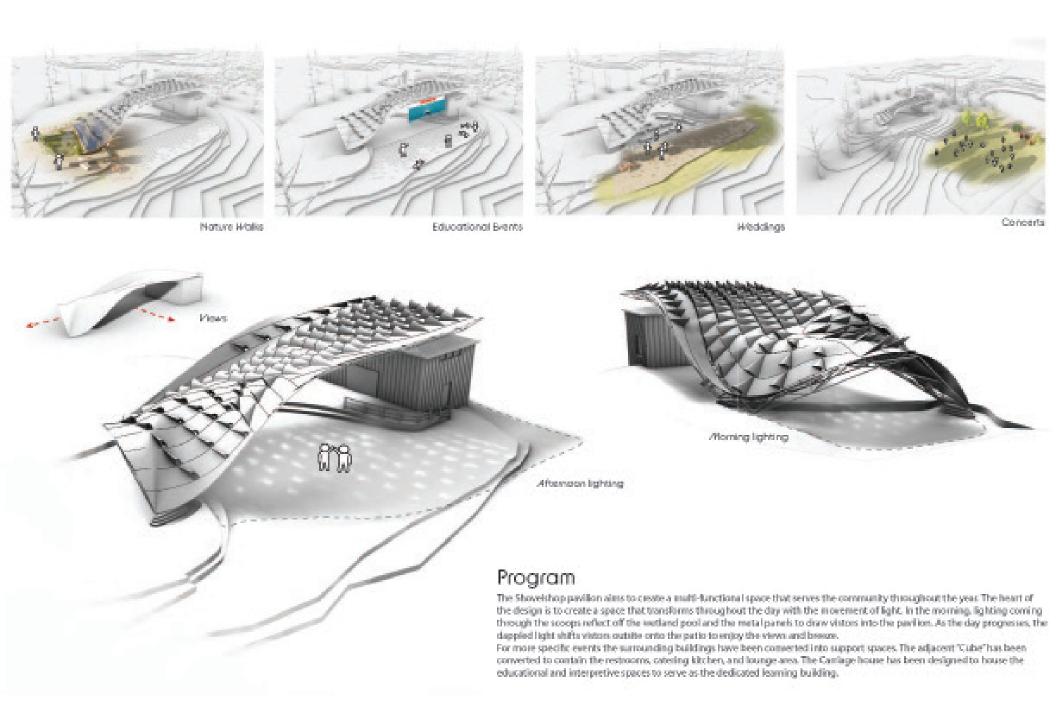
The Shovekhop pavilies is an innovative approach to creating a community space that celebrates the rich beauty of the surrounding landscape and develops new ways of creating forms using digitalizable.

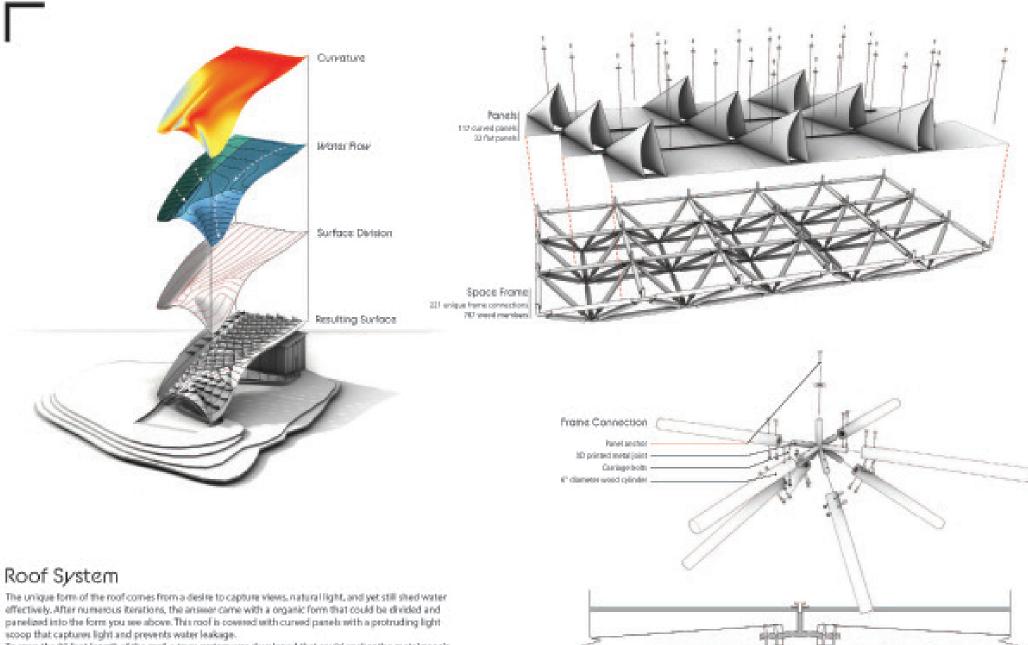




Site Connection

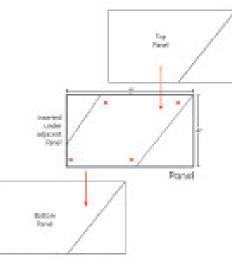
Contrary to a scripted experience, the Showelshop pavilion is built around the idea of creating meaningful meandering. The design furnels visitors from the entrance into a visits without clear paths forward, rather an open field invites them to includge into a promenade. As visitors walk the estate, the pavilion's central position and distinct form acts as an anchor from which to return and embark.





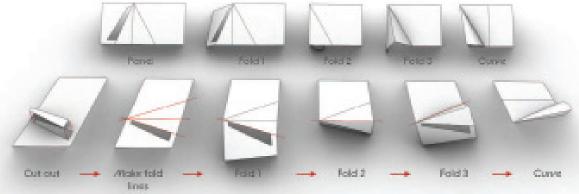
To span the 80 faot length of the roof, a truss system was developed that could anchor the metal panels and be constructed without significant manufacturing.







Piew from Hololens during construction



Panel Assembly

The metal panels that comprise the roof are made by using standard 4"x 8' sheet metal and various folds and bench to achieve a curved form. This process, which traditionally involves cosity manufacturing, was made accessible by using the Microsoft Hololens - an AR headset that projects model data into realizing space. This allows simple tools, such as a metal brake, and the common craftsman to create unique forms that were previously inaccessible without heavy machinery.





