

TALIE AVATICHI

PORTFOLIO

Traveling to Barcelona and seeing the architectural wonders of Antoni Gaudí inspired in me a greater appreciation for architecture. In the past, I attended open house tours in my small, Ohio town to expand my knowledge of architecture by visiting quintessentially American Cape Cod cottages and minimalist mid-century modern homes. I knew that I wanted to pursue architecture, and when the pandemic relegated my architectural explorations to drive by viewing, I realized how important these little tours of architecture were to me and how definite I was in my further pursuit of architectural education.

My portfolio includes my work from high school Digital and Film Photography classes, a Computer Graphics course, two summer advanced virtual courses of Drawing by Hand and Portfolio Preparation with Fallingwater Institute, as well as Architecture and Interior Design Studio with University of Cincinnati College of Design, Architecture, Art and Planning.

PHOTOGRAPHY

Film and Digital, 2017 and 2020 (Freshman and Junior years), 4" x 6", Photography Studio and Computer Lab, Adobe Lightroom and Photoshop



Assignments included interpretation of the word architecture, a photo from a bird's point of view, a worm's point of view, and a moving object, using both digital and analog cameras. I learned the fundamentals of aperture, shutter speed, and their effect on the look of photographs and balance of exposure. Using angles and light provided different perspectives and emotion. For example, from a distance, the puddle looked like mud, but as I got closer, I saw the reflection of the tree; in the photograph of the branch, it tilted upward as if a worm was looking at it. When I looked at the window of the abandoned barn, I imagined the cows or horses who may have lived inside, if they had enough food and warmth. While watching the horse practice, I could tell by the position of his head that he had a good relationship with the rider. I set my film camera to a low shutter speed to capture the movement.

ILLUSTRATION

Computer Graphics, 2019 (Junior year), 8" x 10.5" and 8.5" x 11", Computer Lab, Adobe Photoshop

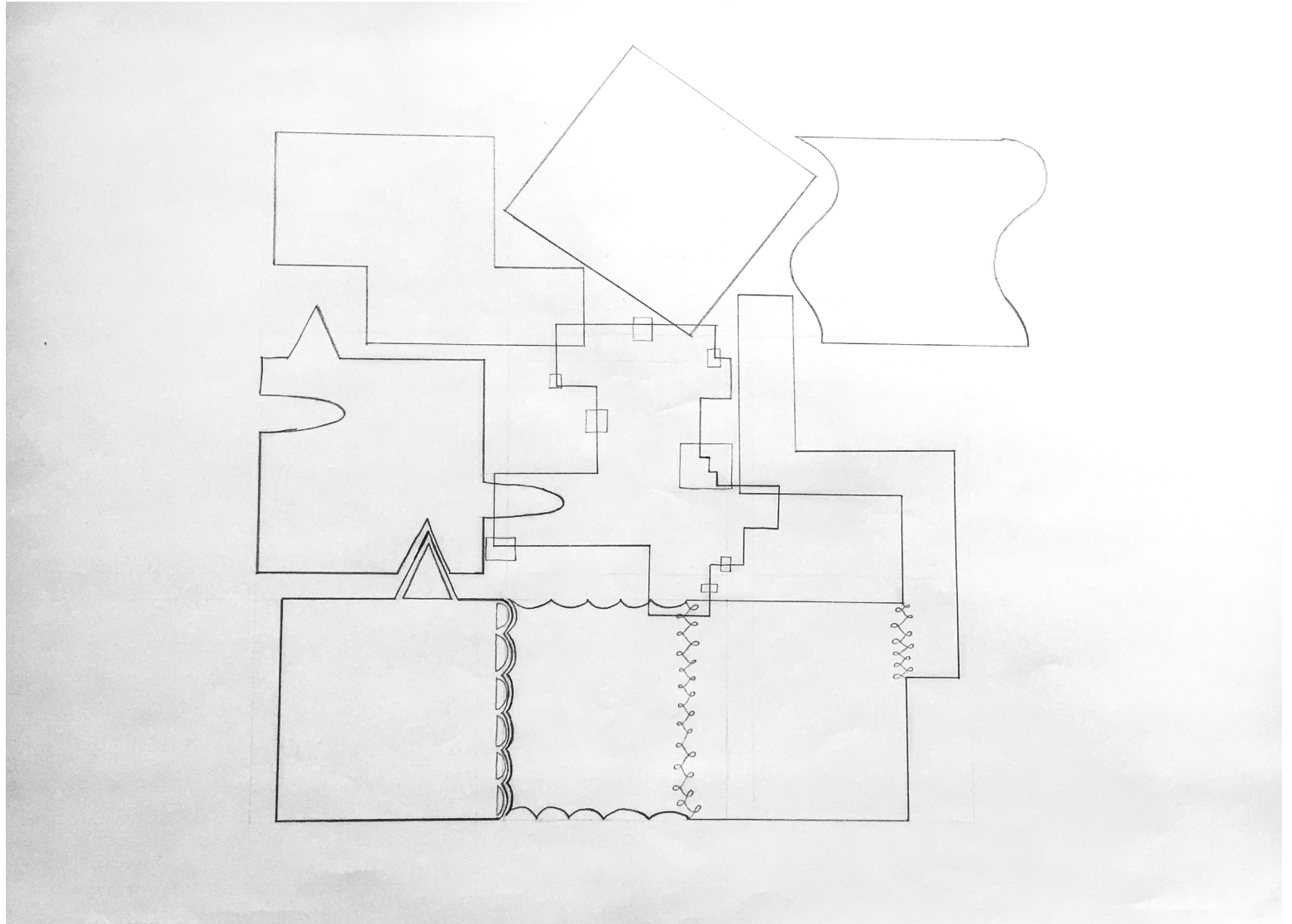
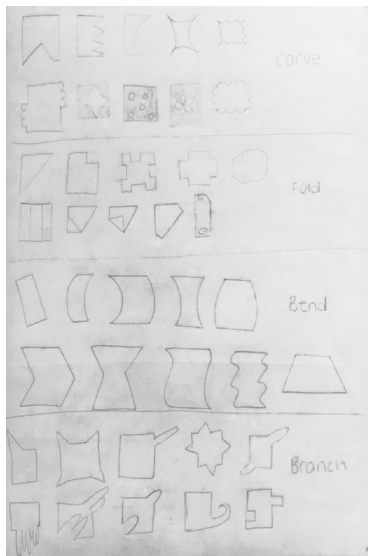
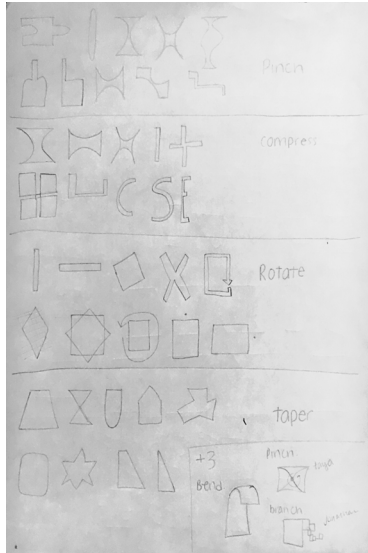


Assignments included using digital illustration tools to recreate an original image and a digital collage of a place of our choosing. Using a photograph of the bridge in the background, I traced the outlines of each building and the bridge focusing on the creation of depth through shading and perspective. I contrasted the simplicity of the surrounding buildings with the detail of the bridge to draw the viewer's eye to the bridge. This project was included in the 2020 Chagrin Falls Schools Spring Art Show.

Washington is one of my favorite places, and I wanted to create a collage of the different aspects I like about the state. While radically different in character, my two favorite places are Pike's Market and Mt. Baker. Unlike the previous project, I took five contrasting subjects combining them into a single cohesive image.

SQUARE

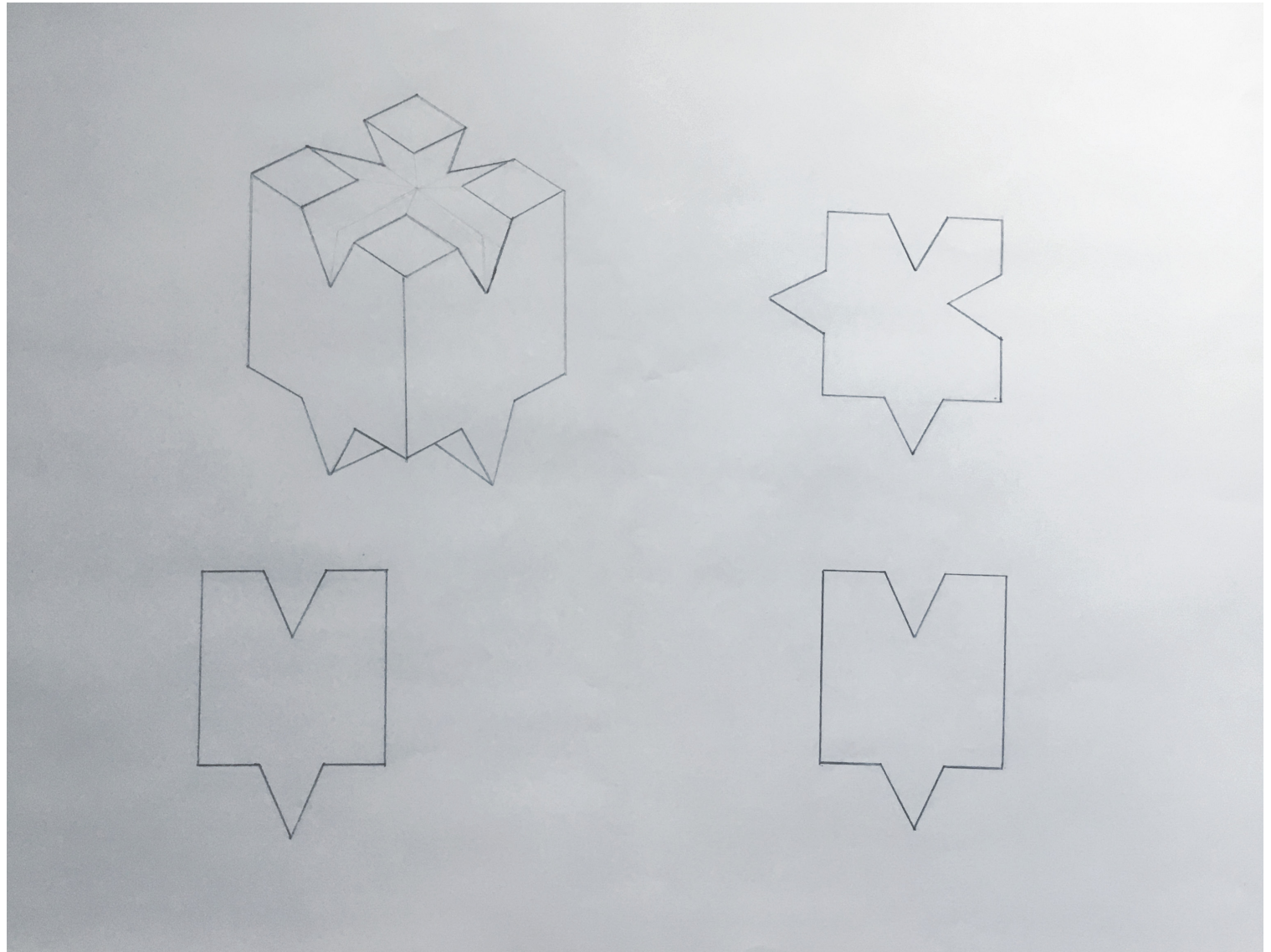
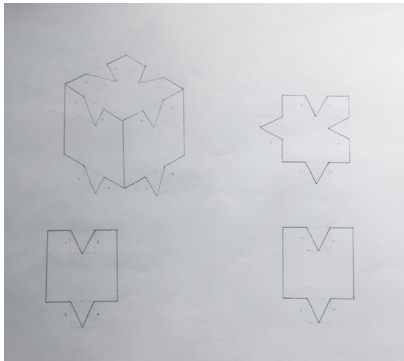
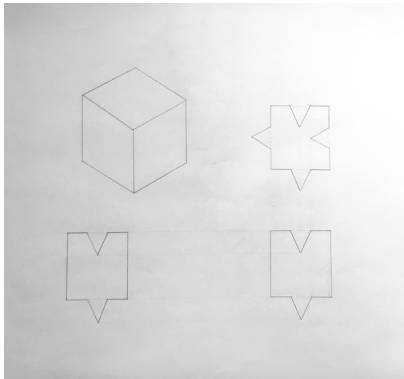
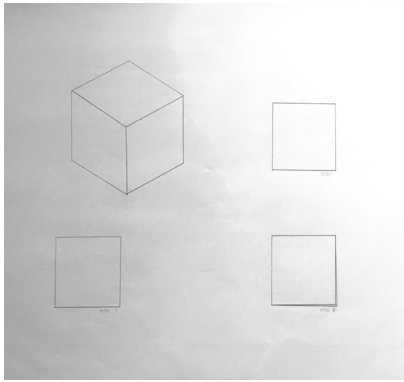
Drawing by Hand with Fallingwater Institute, 2020 (Senior year), 8.5" x 11" and 24" x 18"



As a participant in the Fallingwater Institute's virtual summer drawing class, we focused on how geometric operations can transform a simple square into complex designs. If folded, pinched, or bent in a certain way, a square can be transformed into anything. After working with individual squares, we drew nine 3x3 squares and applied a geometric operation to each. The geometric operations I used for the final project included shift, rotate, bend, notch, layer, stretch, puncture, carve, and join.

ISOMETRIC

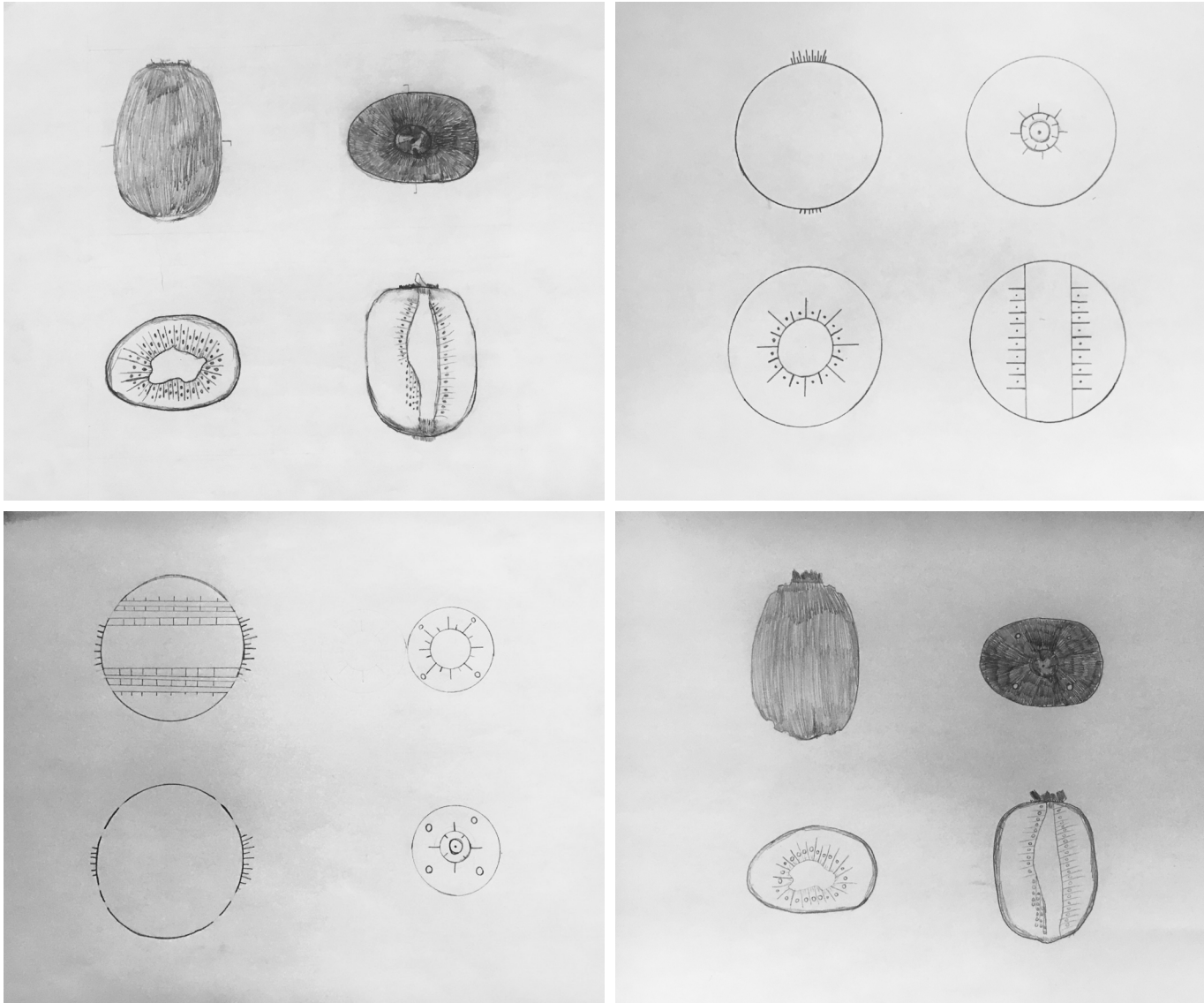
Drawing by Hand with Fallingwater Institute, 2020 (Senior year), 24" x 18"



Also at the Fallingwater Institute, these drawings involved applying the geometric operation of notch to a 3-dimensional cube, as we had done earlier with the 2-dimensional square. The operation I was given was notch. I thought it would look interesting to carve a section out of the top and reposition it on the bottom of the cube. I had to determine what I thought was happening on the inside of the cube and all 6 sides instead of one side as well as what it would look like if I split it open.

KIWI

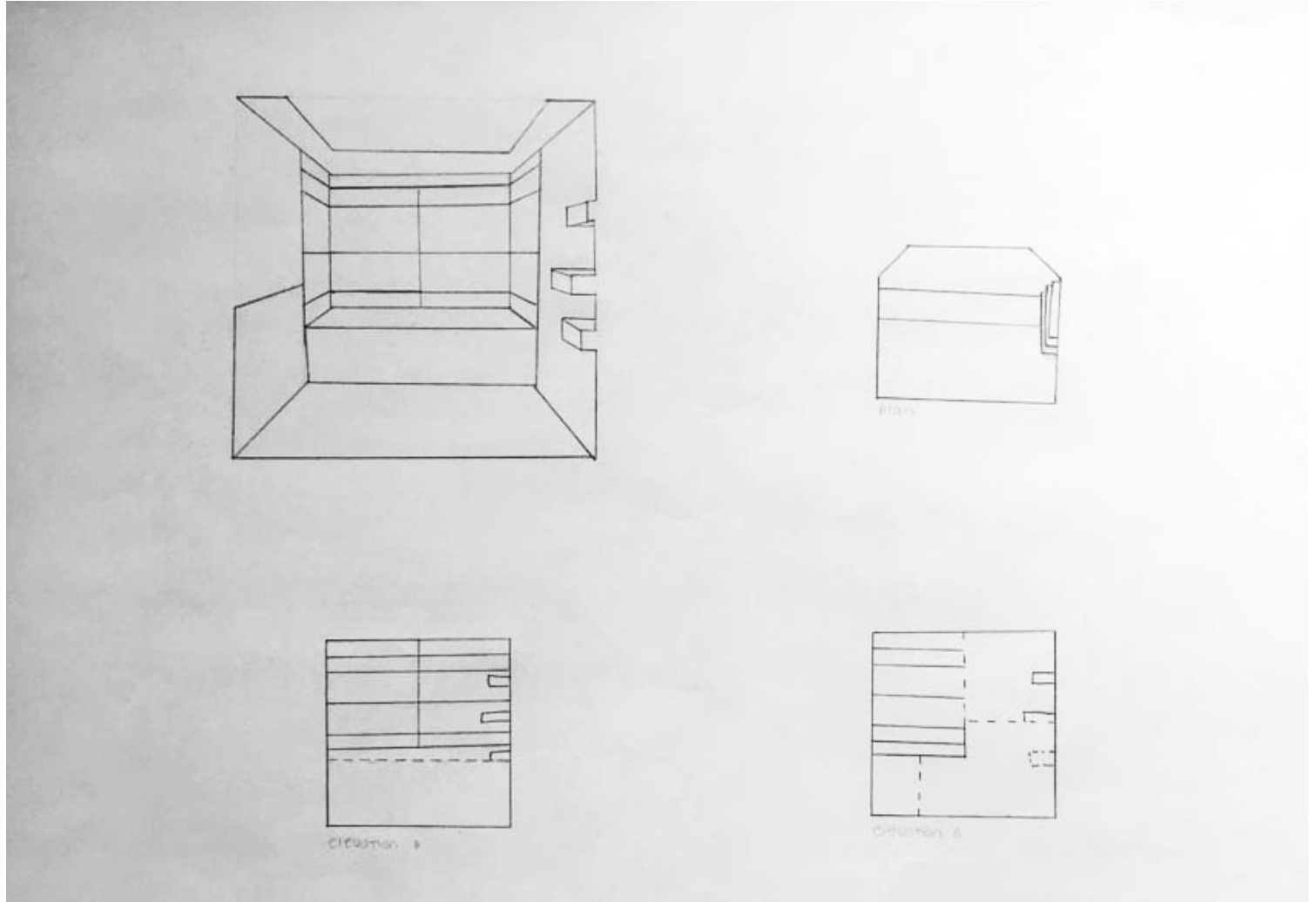
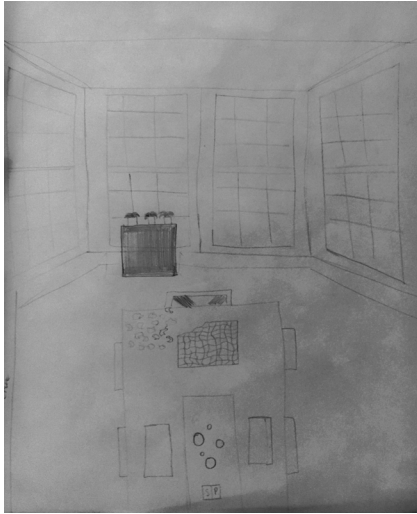
Drawing by Hand with Fallingwater Institute, 2020 (Senior year), 8.5" x 11"



Also at the Fallingwater Institute, we explored geometric operations in another way with a live 3-dimensional object requiring four main steps: rendering, abstraction, remix abstraction, and remix rendering. The geometric operation for the kiwi was punctured so instead of seeds in the kiwi, there are only holes, similar to a seedless watermelon or grape. It was one of my first hand drawings so it was an interesting approach as I am more experienced in technical drawings with exact measurements.

ROOM

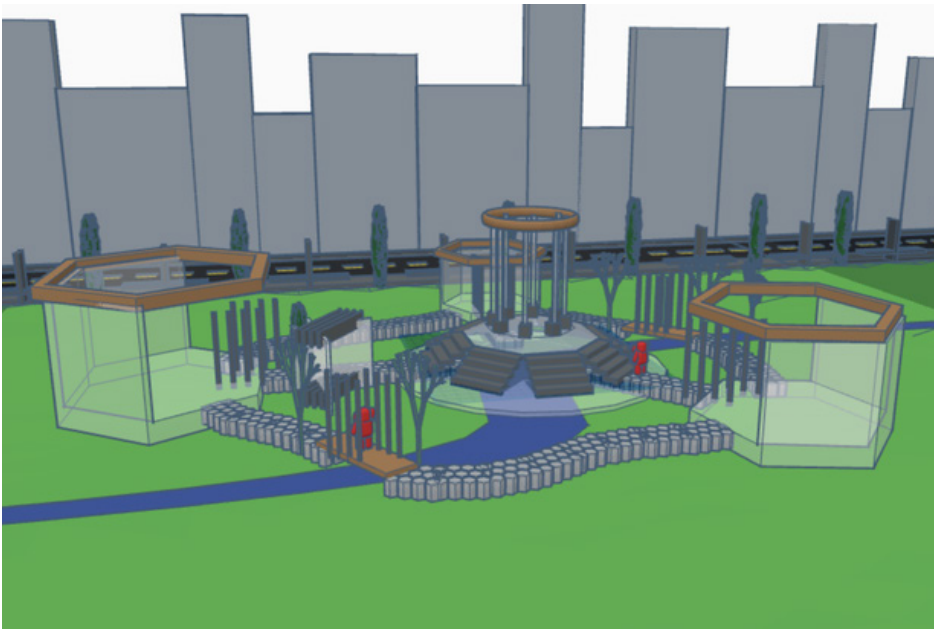
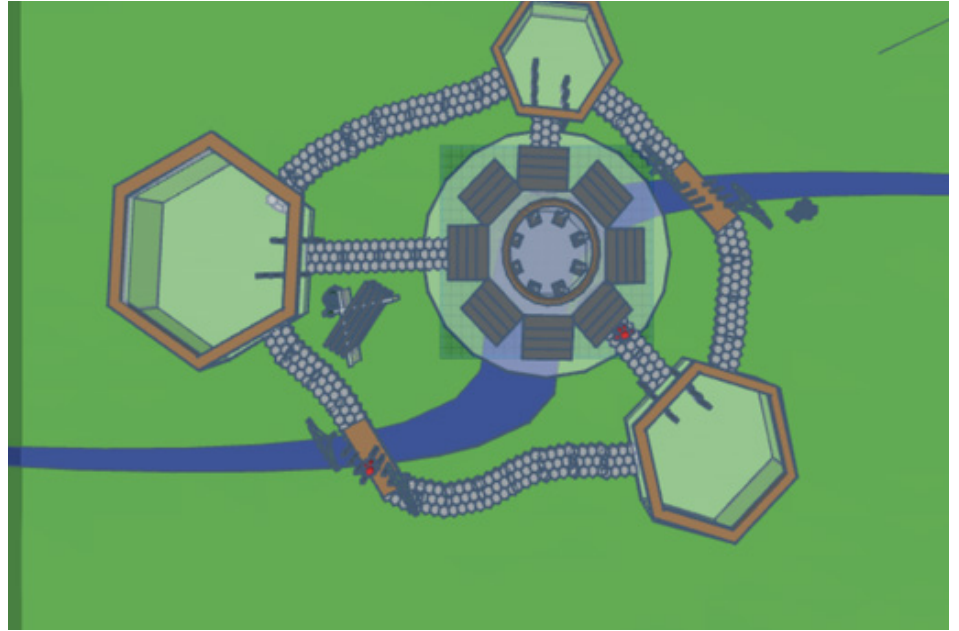
Drawing by Hand with Fallingwater Institute, 2020 (Senior year), 8.5" x 11" and 24" x 18"



On the last day of the Fallingwater Institute drawing class, we discussed how the same geometric operations we used in our abstract 2D- and 3D-drawings could be used to make architecture. The assignment was to sketch a room of choice and demonstrate this concept on paper. The geometric operations I used to draw the room were puncture, carve, and branch. The existing room is where I like to draw, do puzzles, listen to music, and look outside. So I carved a bench, punctured holes as a window, and branched shelves for plants.

PAVILION

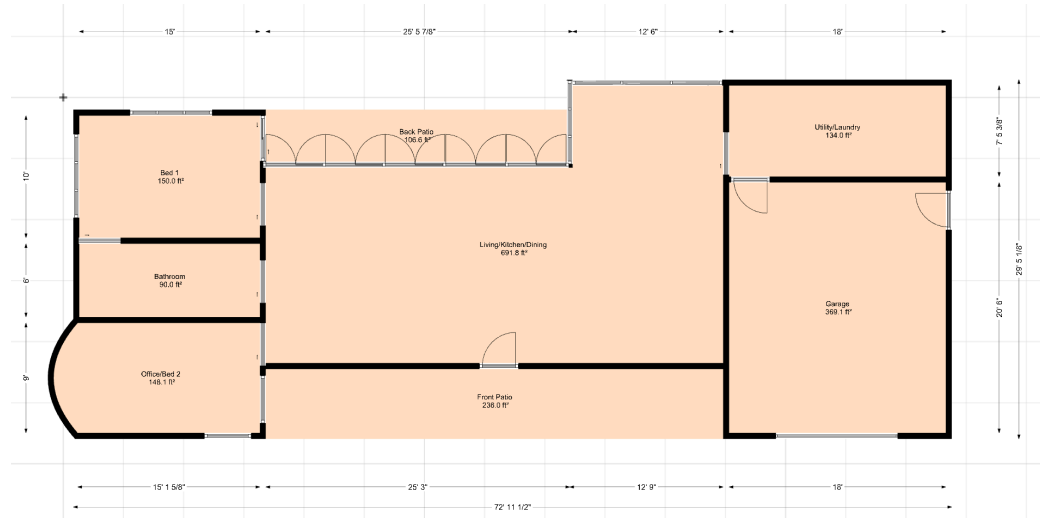
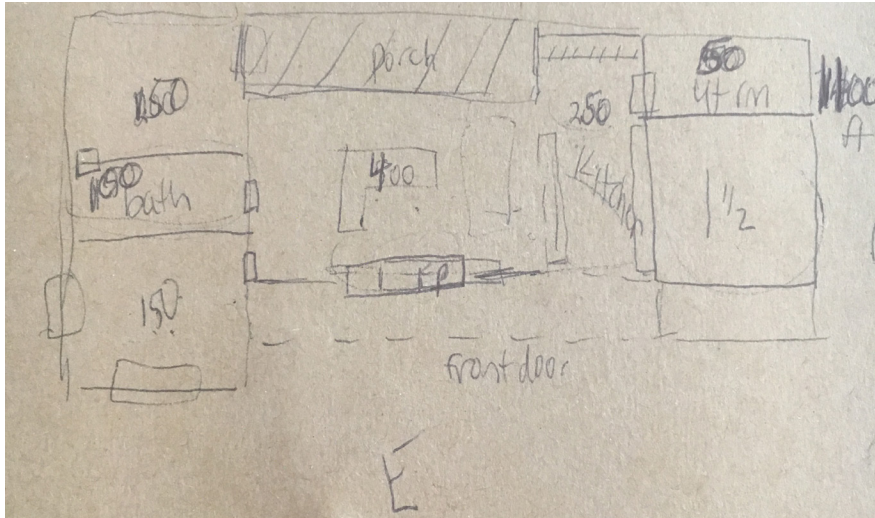
Architecture and Design Studio with University of Cincinnati College of Design, Architecture, Art and Planning, 2020 (Senior year), TinkerCAD



As a part of a University of Cincinnati, College of Design, Architecture, Art, and Planning summer week-long program, we were instructed to create a pavilion by envisioning the various purposes, possible location of the pavilion, and how it would interact with the surrounding environment. Before we started, we looked at examples of contemporary pavilions like the Barcelona Pavilion. My pavilion is designed to be in a park in a lively city, like New York City or Chicago, created for citizens to be able to relax and take a step back from technology and work as well as admire the landscape and contrast of the buildings and nature. For this reason, the borders of the pavilion are made of glass so even when picnicking, the visitor still feels immersed in nature.

HOUSE

Portfolio Preparation with Fallingwater Institute, 2020 (Senior year), 7" x 5" and 30" x 20", Floorplanner



The final assignment from the Fallingwater Institute's portfolio preparation class, was to create a structure. We had free reign to design whatever we wanted. My mom has always wanted to build her own house, so I chose to design her 1,100 square foot home. I started with a sketch she had drawn over time, describing very specifically what she wanted. Light and direction were considered as well as including interior pocket doors owing to the limited space between rooms. After adding details, I used an online software to portray the concept more concisely. The last part of the project was to create a 3-dimensional model of the structure. From initial sketch to the final digital drawing, we expanded the utility room, reduced the width of the bathroom, included a bay window, and added sliding pocket doors. Every 3 feet in the tiny home equals one inch in the model, allowing me to feel on a small scale what it might be like to create someone's dream home.

