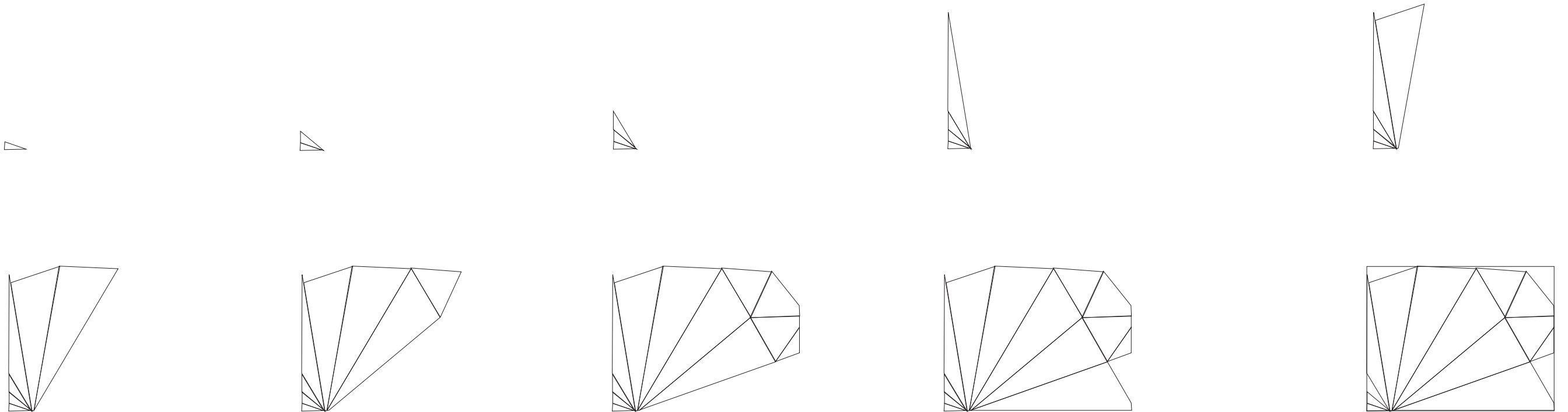


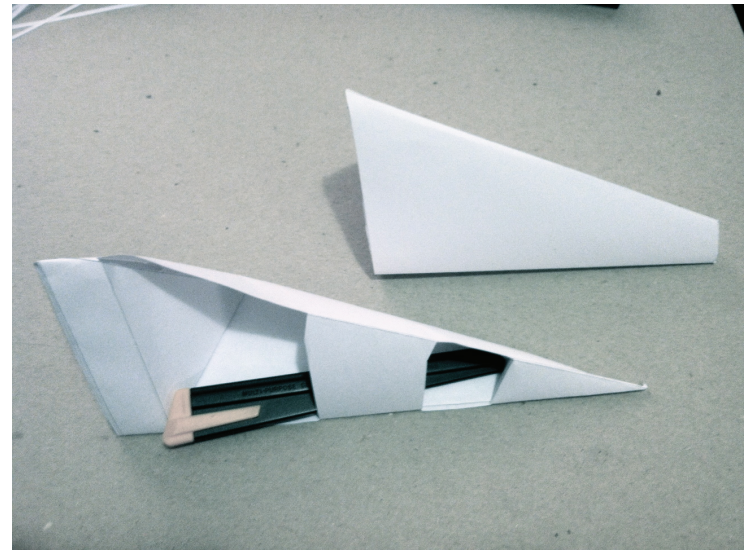
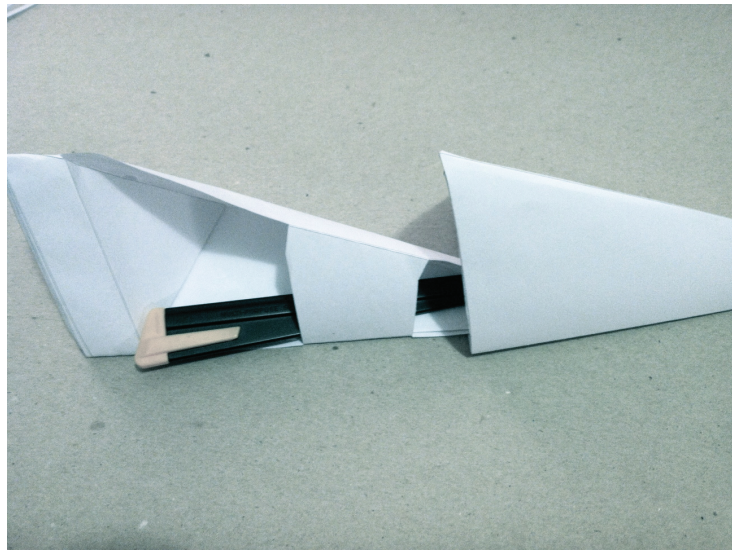
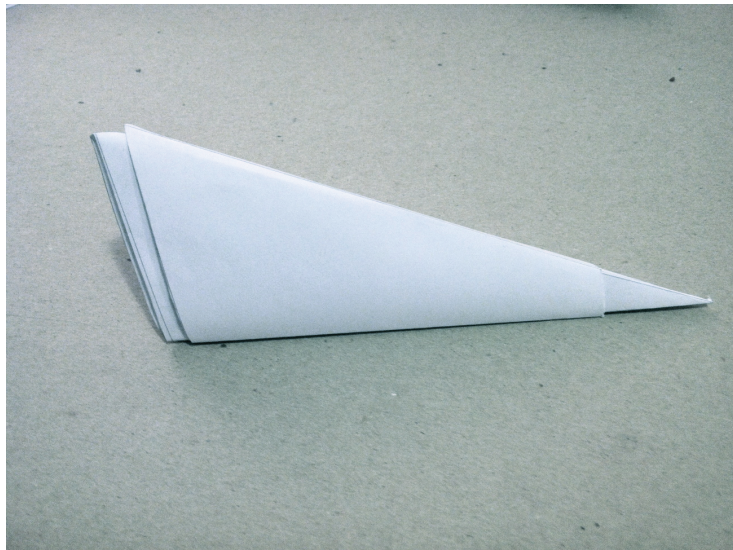
## Paper Box Assignment

Design and build a press-fit paper box (use thin paper not cardboard) using surfaces, including details such openings, drawers, handles and so on. Put attention to the physical connectivity between surfaces, with no use of a glue.

I chose to self-impose the parameter of using the entire sheet of paper, without the creation of small scraps of paper.

Final deign decision: I chose to create a paper box that could hold pens. I was interested with the shape of a triangular polyhedron, and experimented until I came up with the final design, shown below.





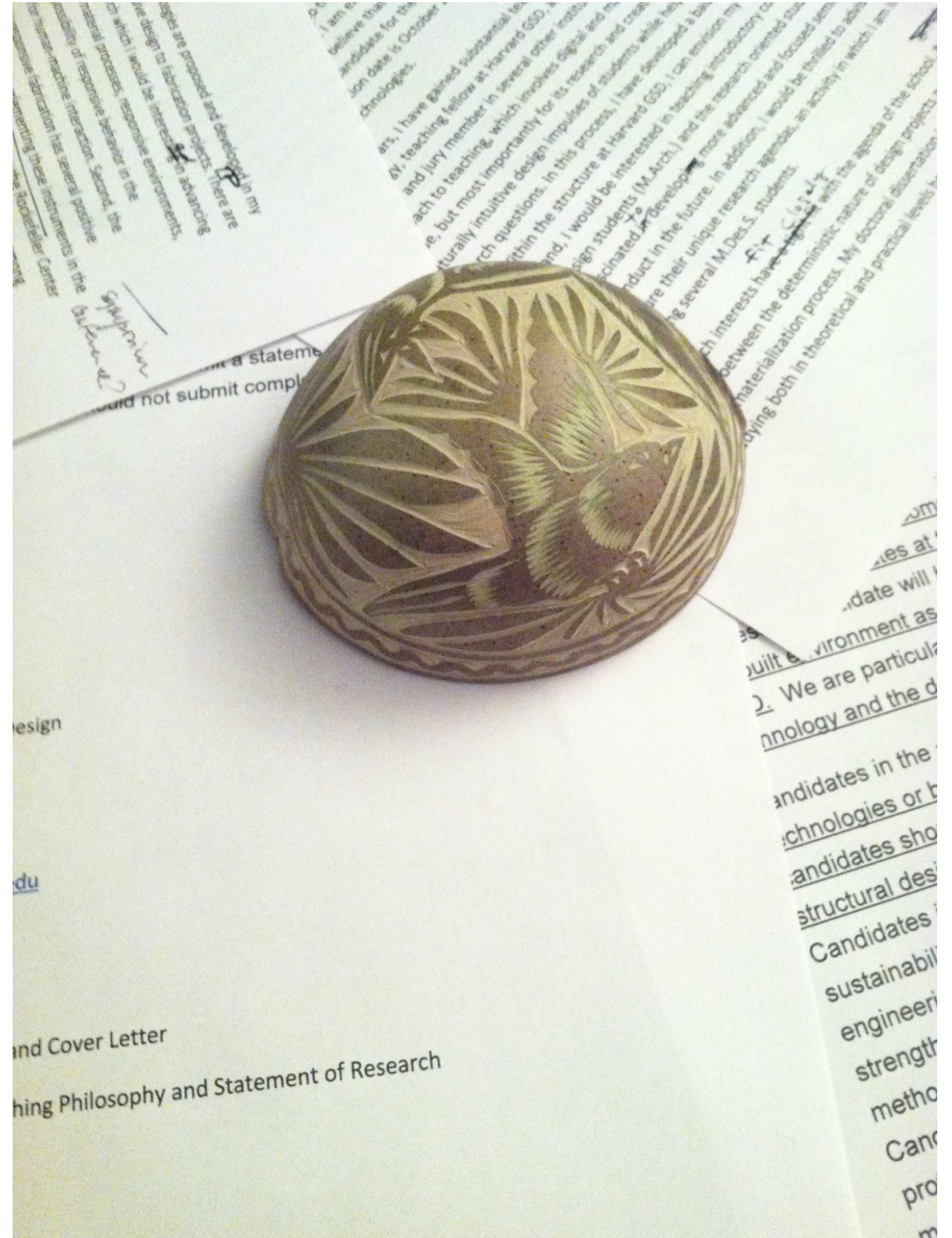
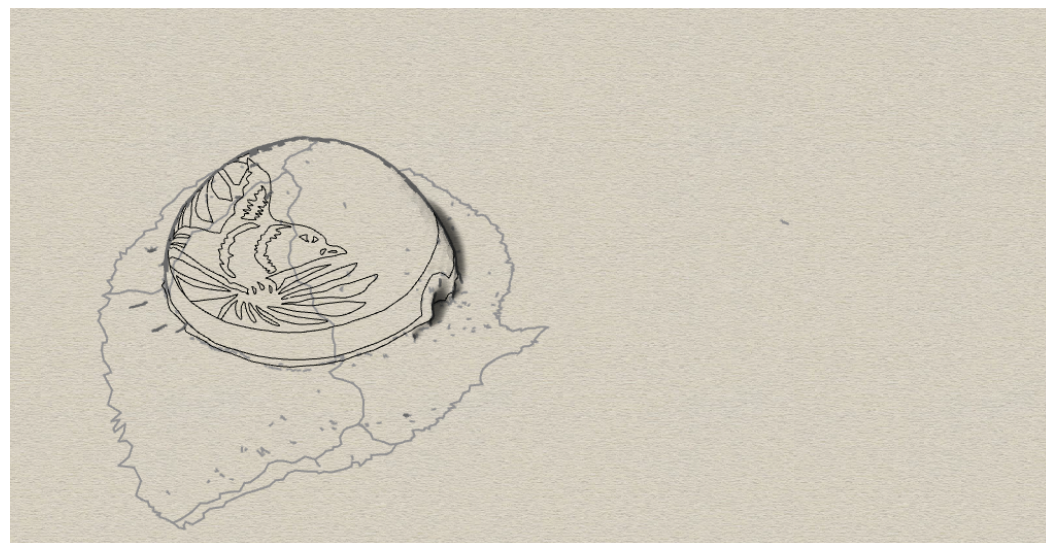


## Hybrid Design

This project attempts to juxtapose a hollow jicara shell to a 3D printed element. I was inspired by the traditional carved jicara bowls from Mexico and wanted to 3D print the carved details of a jicara bowl from a Form 1 printer.

Although the project is still in progress, the initial process entailed capturing a 3D model with the mobile application, 123D Capture, in order to trace the carved details, which will later be modified to be projected onto a new surface. New jicara bowls without any detail carvings were ordered and will later be scanned to acquire the 3D mesh.

Afterwards, the carved details will be projected and modified accordingly to the new jicara bowls, and a watertight model will be derived in order to be printed and finally glued to the surface.





## Mexican Breakfast Rendering

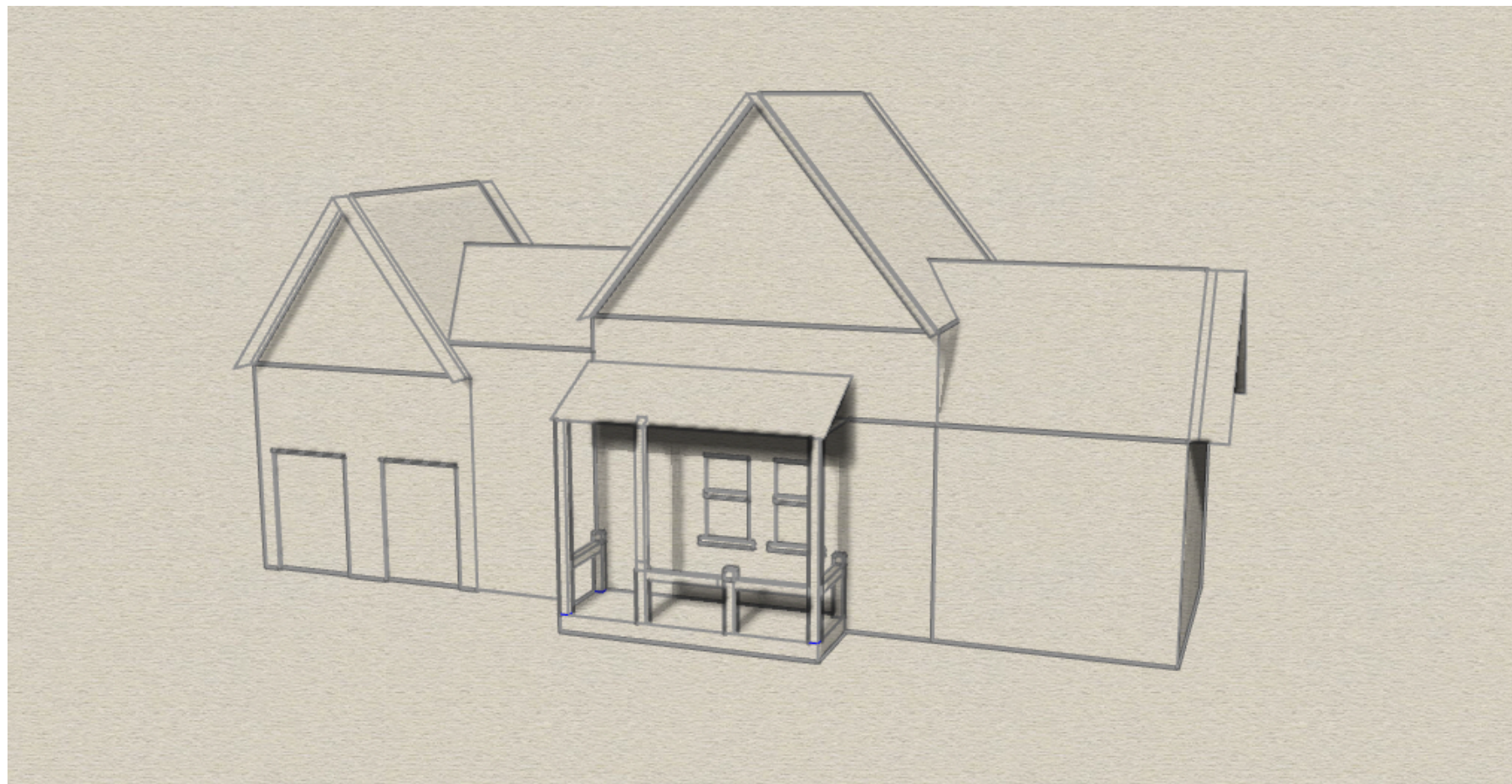
A simple breakfast of pan dulce de esponja  
and a jarrito of coffee











## Strengths and Weaknesses

I had no previous experience in design or with Rhino, so I thoroughly enjoyed every aspect of the course. Everything was new for me, and it was a struggle for me to learn how to use Rhino.

I am still unable to manipulate Rhino to easily create a detailed model, like the house model shown on the left. Nevertheless, I am now able to translate a design idea into Rhino and use the program as a tool to create an object with more precision.

