

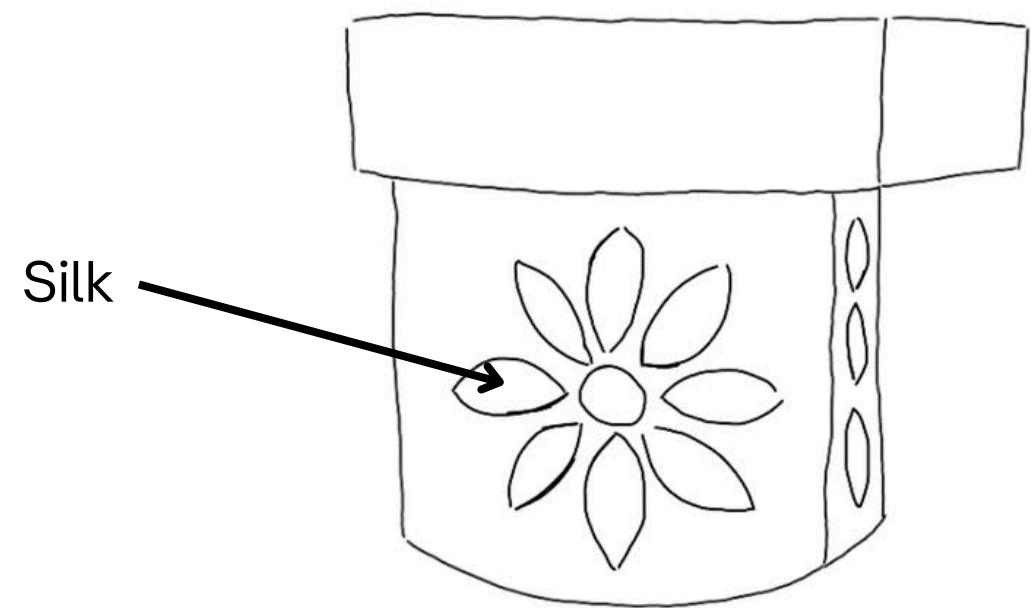


SERICYNE LIGHT

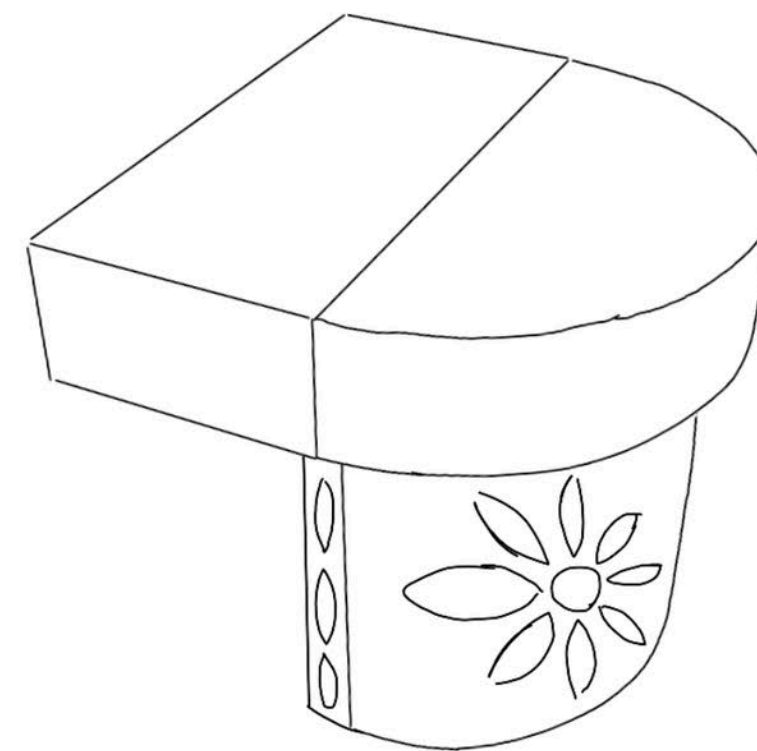
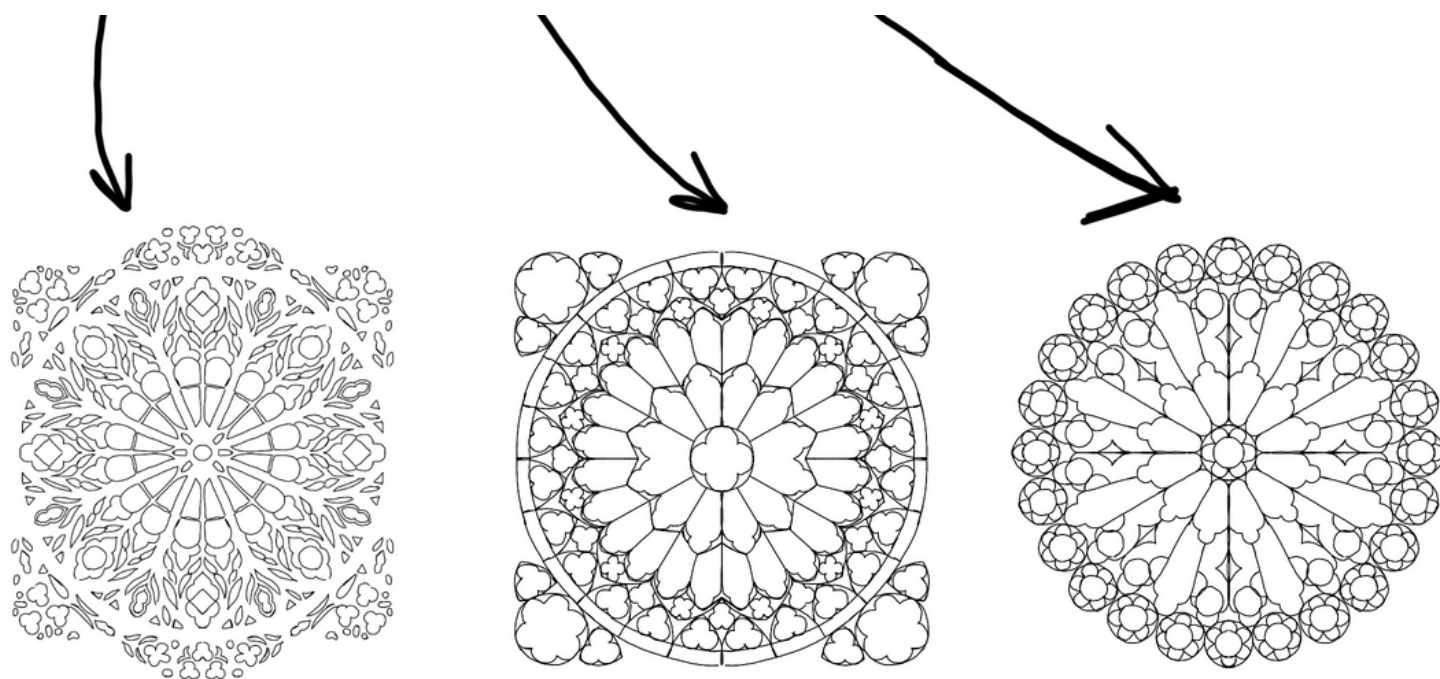
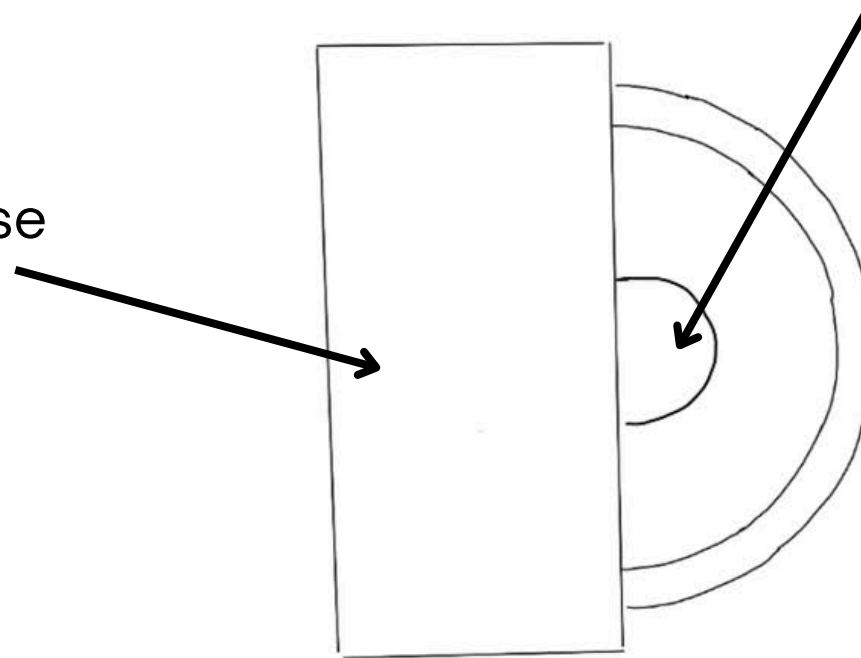
Nika Milenović

Design choice

LUMIGRAPH



Power base

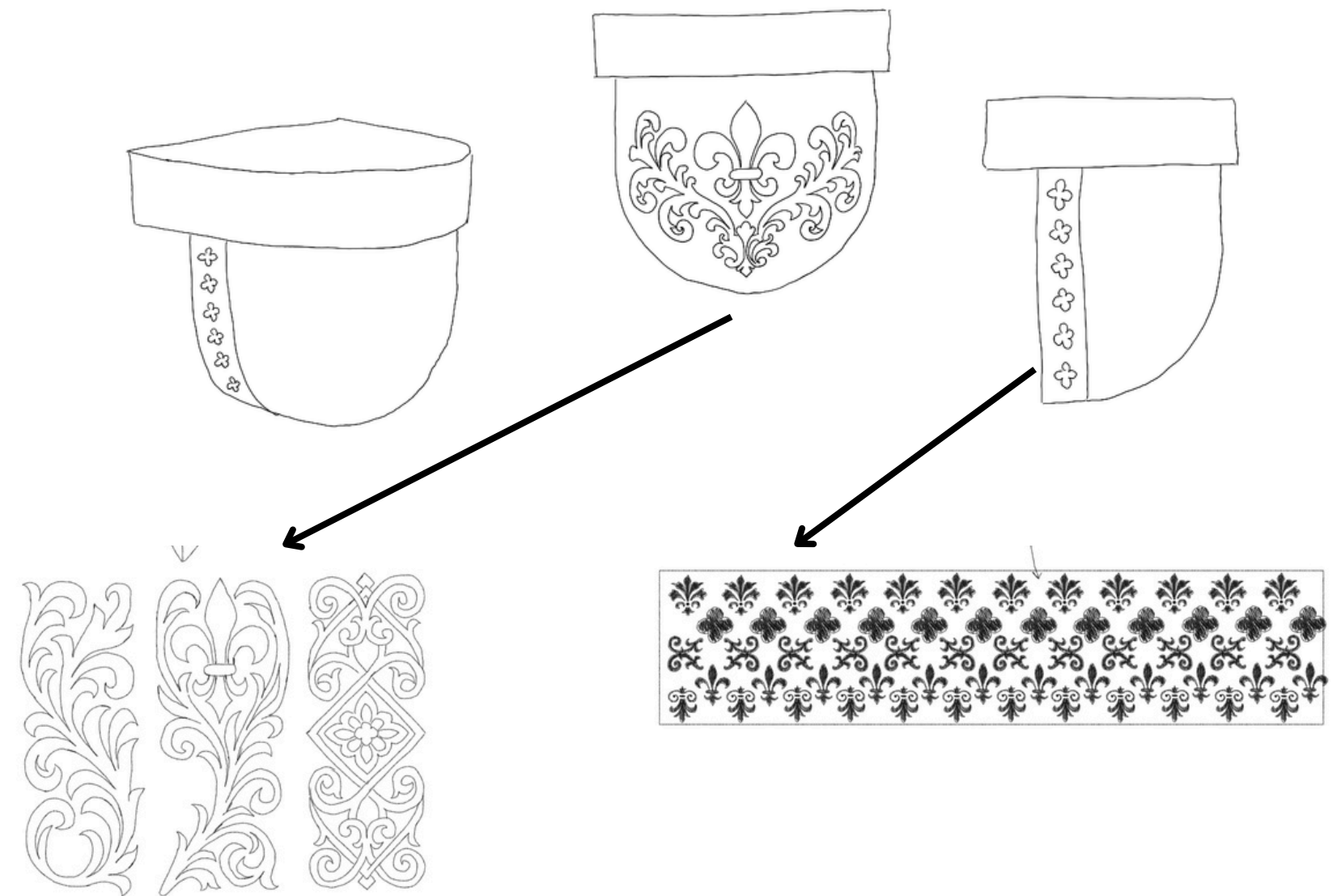




Design process

ADDITIONAL DEVELOPMENT

After some consideration, I realized that the original concept of the idea is feasible to a certain extent but not entirely. Therefore, I slightly modified the design of the lamp. I limited the perforated strip, which casts patterned shadows, to the sides, as this is the only area where the light actually casts shadows on the wall. Based on your preference for incorporating as much silk as possible, I decided to make the entire front part from silk. For the patterns on the front and the perforated strip, I drew inspiration from French architecture: Baroque, Renaissance, Gothic and Art Nouveau. The perforated strip can be switched with another, which has a completely new pattern. The pattern in the front can be changed based on preferences as well.



Design process

PROTOTYPE

To create the prototype, I decided to design a 3D model of the lamp, which we then printed using a 3D printer. The prototype consists of four parts: the front section, which serves as a mold; a perforated strip; the top section, which acts as a cover; and the back panel. After printing, I first secured the silk onto the mold and then assembled the parts together. Inside, there is an LED strip that provides soft ambient light on one side and illuminates the room on the other.



Design process

ISSUES IN THE PROCESS

The first challenge in creating the prototype arose when the 3D-printed parts did not align properly. Additionally, the LED strip emitted light that was too strong, preventing the clear projection of the pattern on the front of the lamp and its shadows. I resolved the first issue by carefully adjusting the dimensions of the parts and minimizing errors in their alignment. The second issue was resolved by replacing the LED strip with a less powerful one, which allowed the lamp to function as intended.



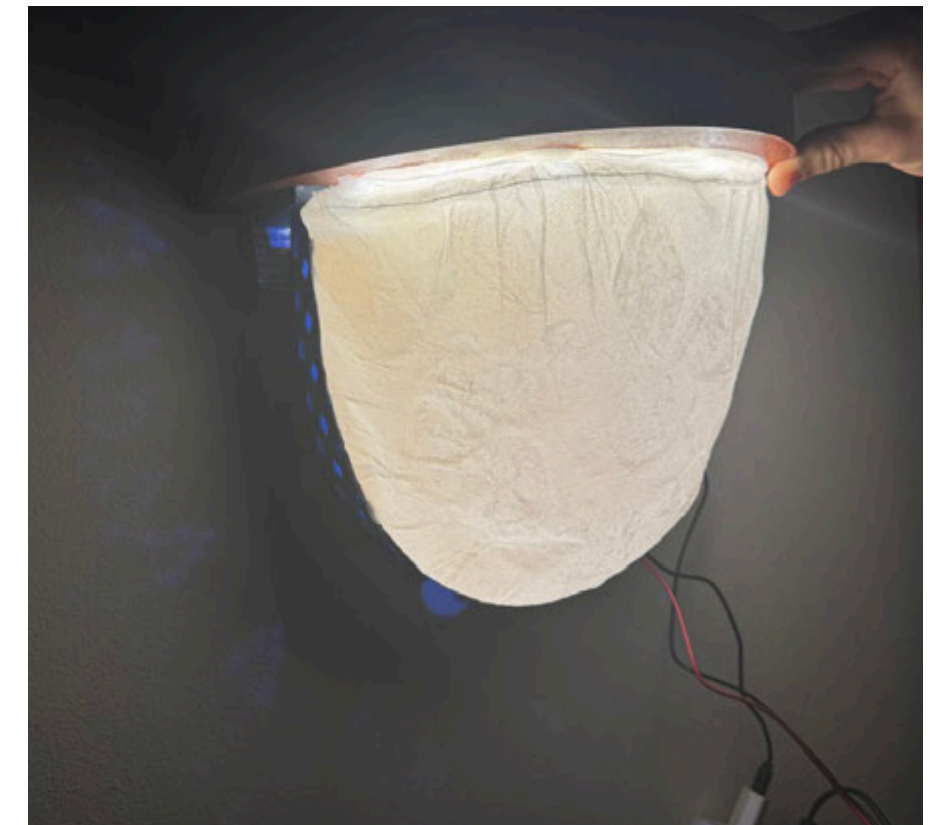
Design process

DETAILS



Design process

FINAL PROTOTYPE



Design process

FINAL THOUGHTS

This project broadened my understanding of working with natural materials and allowed me to gain deeper insight into the process of lighting design. It opened my eyes to a new field of design using unique materials, offering numerous opportunities for creative expression. I see potential for further development in refining the idea based on the shortcomings identified in the prototype, which could lead to a high-quality final product.



THANK YOU FOR
YOUR ATTENTION