CAFE Symposium 2023 | Celebration of Academic First-Year Engagement

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Learning Through Failure

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Learning Through Failure

Abstract

This project focuses on the drawing technique by Henri Matisse. I used his work as inspiration to create a retractable bamboo stick for personal use.

Keywords

3D Printing, Creativity, Drawing

Disciplines

Illustration | Industrial and Product Design

Comments

This poster was created based on work completed for FYS 158-4: Fail This Course: Creativity, Making, and Failure, and presented as a part of the eighth annual CAFE Symposium on February 8, 2023.

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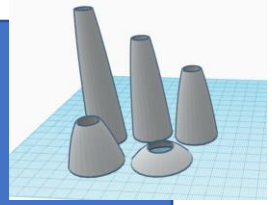
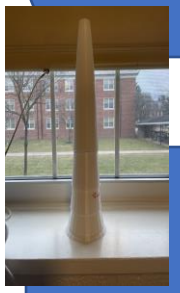
The Process

Brainstorming:
Going into my final project, I knew I wanted it to connect to something within the course that was meaningful to me. My brainstorming process consisted of going back through the units we had covered and using those techniques as inspiration. I ultimately decided on following the bamboo drawing technique by Henri Matisse. I decided to use his technique to make my own retractable bamboo stick.

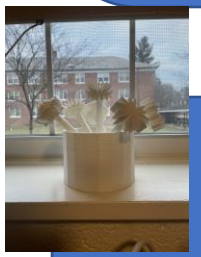


Sketches and Prototypes:
After deciding on what I wanted to do, I used paper and the Tinkercad Software for prototyping. The paper was the initial visual that made my project possible and Tinkercad solidified my design by bringing it to fruition.

Final Design and Finished Product:
Once my final design was workable, I put it through Ultimaker-Cura, which is the software connected to the 3D printer. My design took over a day to fully print.



Reflecting



Final Product Presentation:
Part of our final project was showcasing our work to the class. During my presentation, I had to touch on whether or not I had succeeded, what I learned, and what I would do differently if given the chance.

Successes and Failures:
Ultimately, my design did not work. The measurements were not compatible, and my separate pieces did not stack the way I had envisioned. I did succeed in the way that I went out of my comfort zone for this project and challenged myself.

Other Projects:

I made many other projects throughout this course. A few of my favorites include 3D printed flowers and a dress that I sewed.