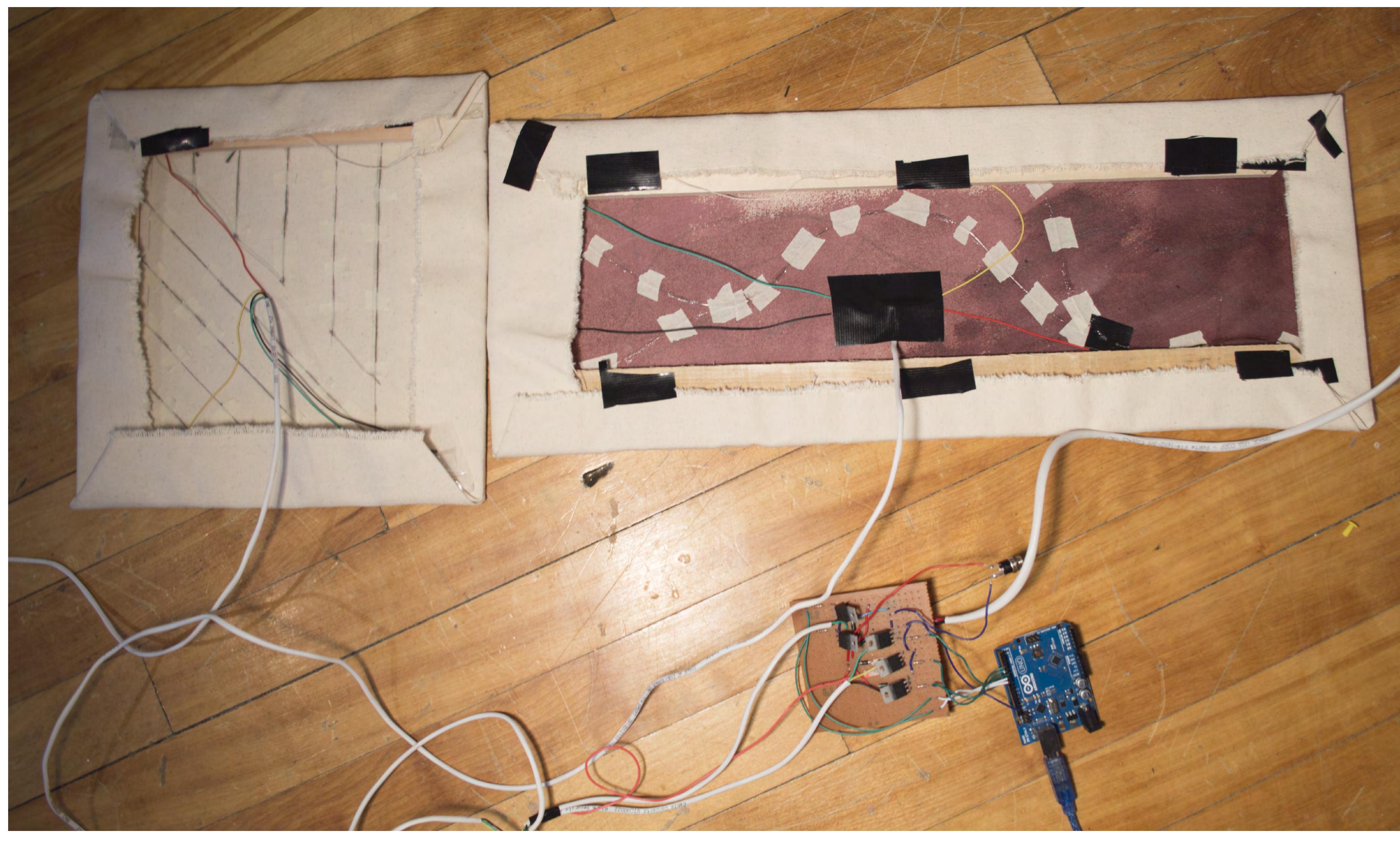


# Experimental Semantics Documentation



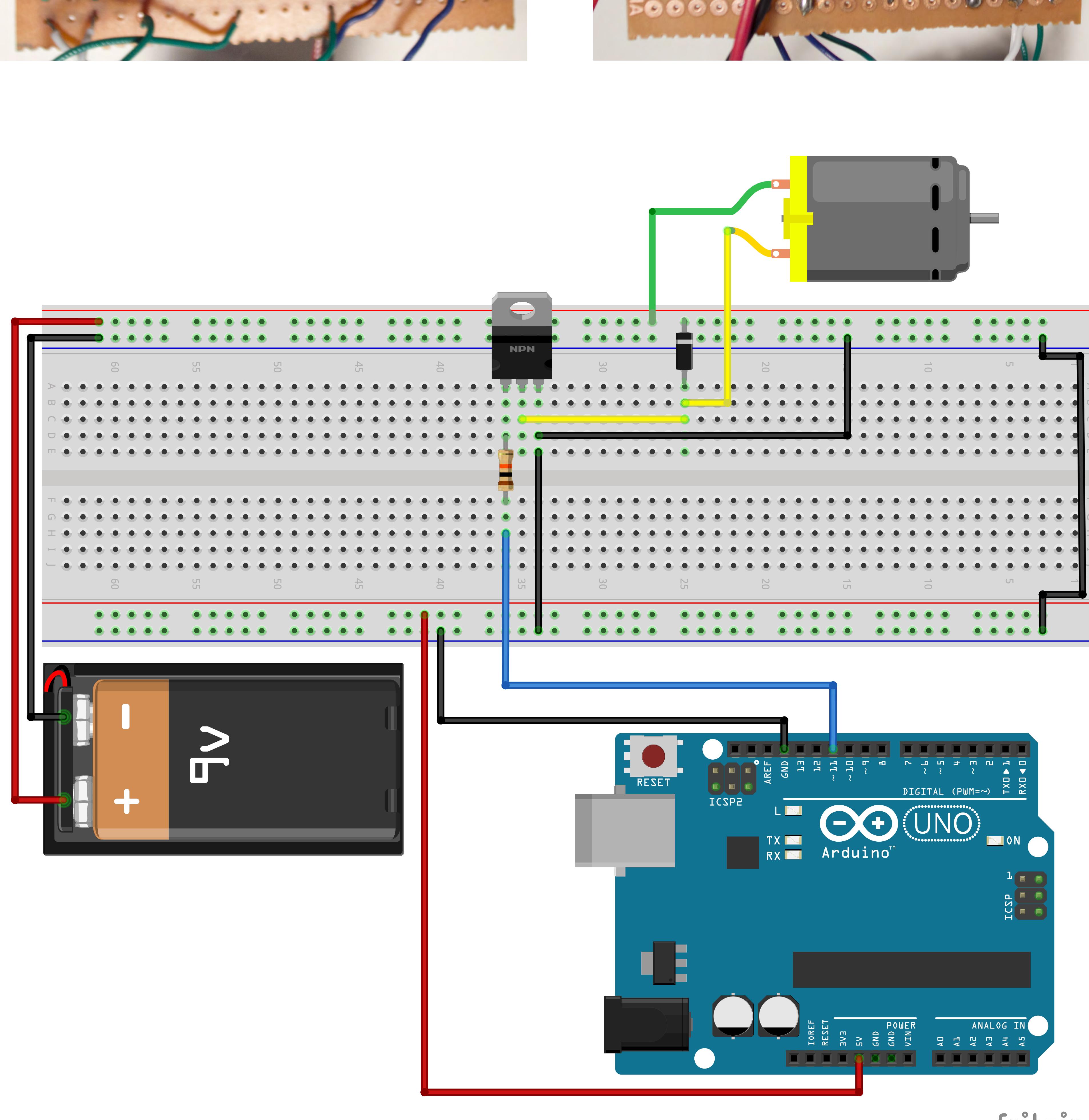
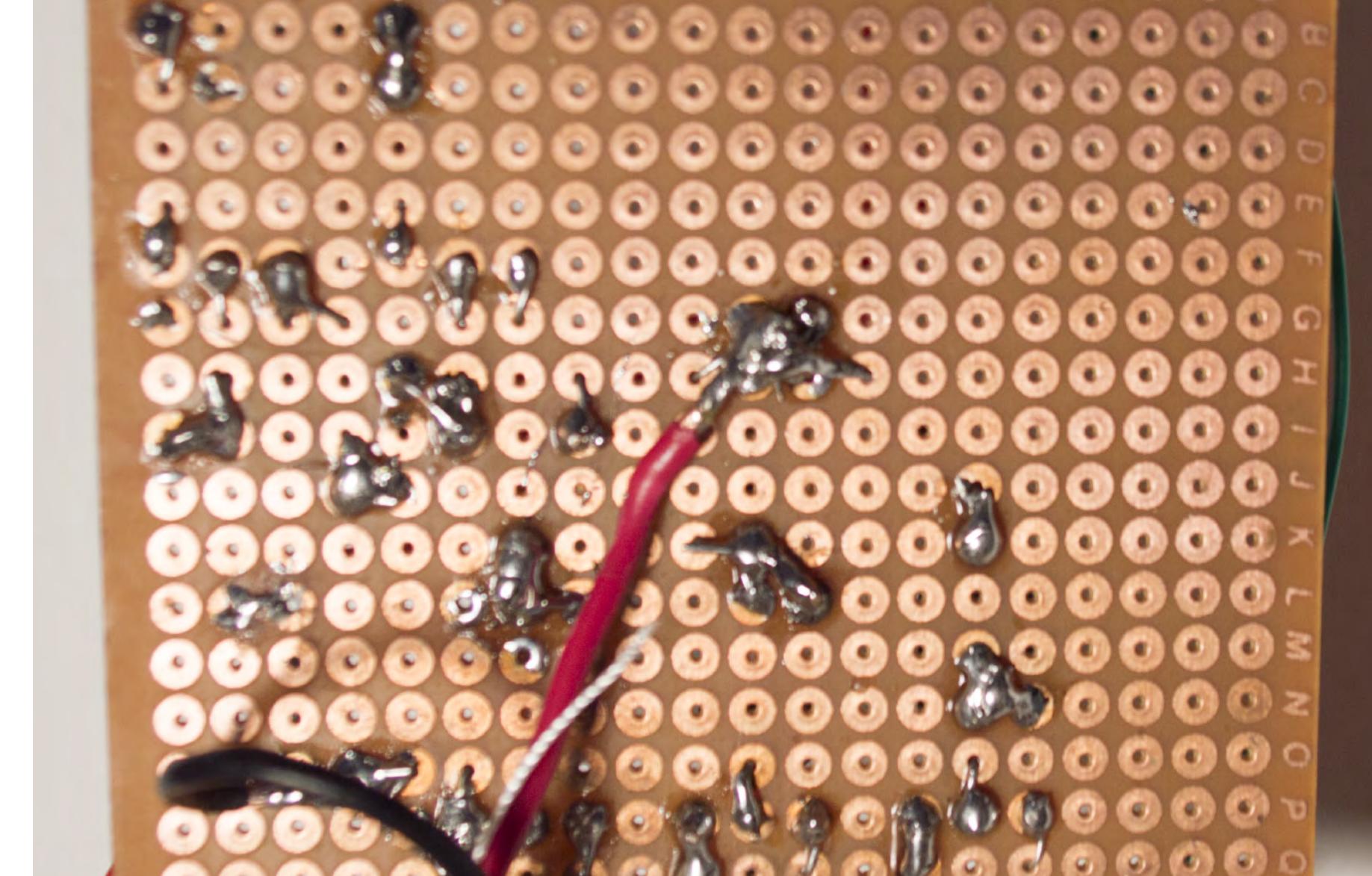
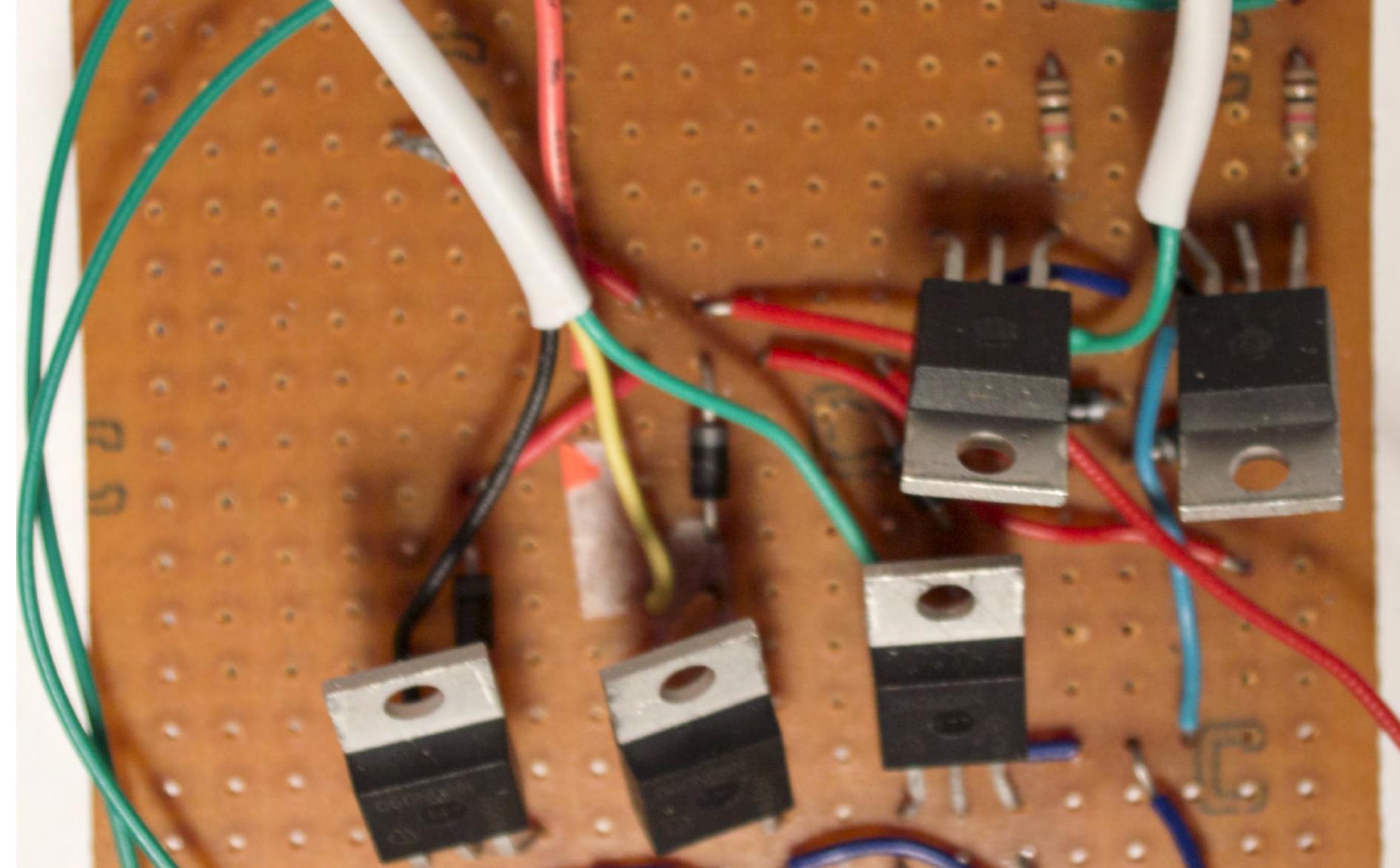
## Materials Used:

- Canvas
- Acrylic Matte Medium
- Thermochromic Paint Pigment
- Wood
- Wire
- Arduino Uno
- Various Electronic components

## Software Used:

- Arduino IDE
- Processing
- OpenCV Processing Library
- Adobe Illustrator

I started by making the circuitry required for the Arduino to control high voltage electricity.



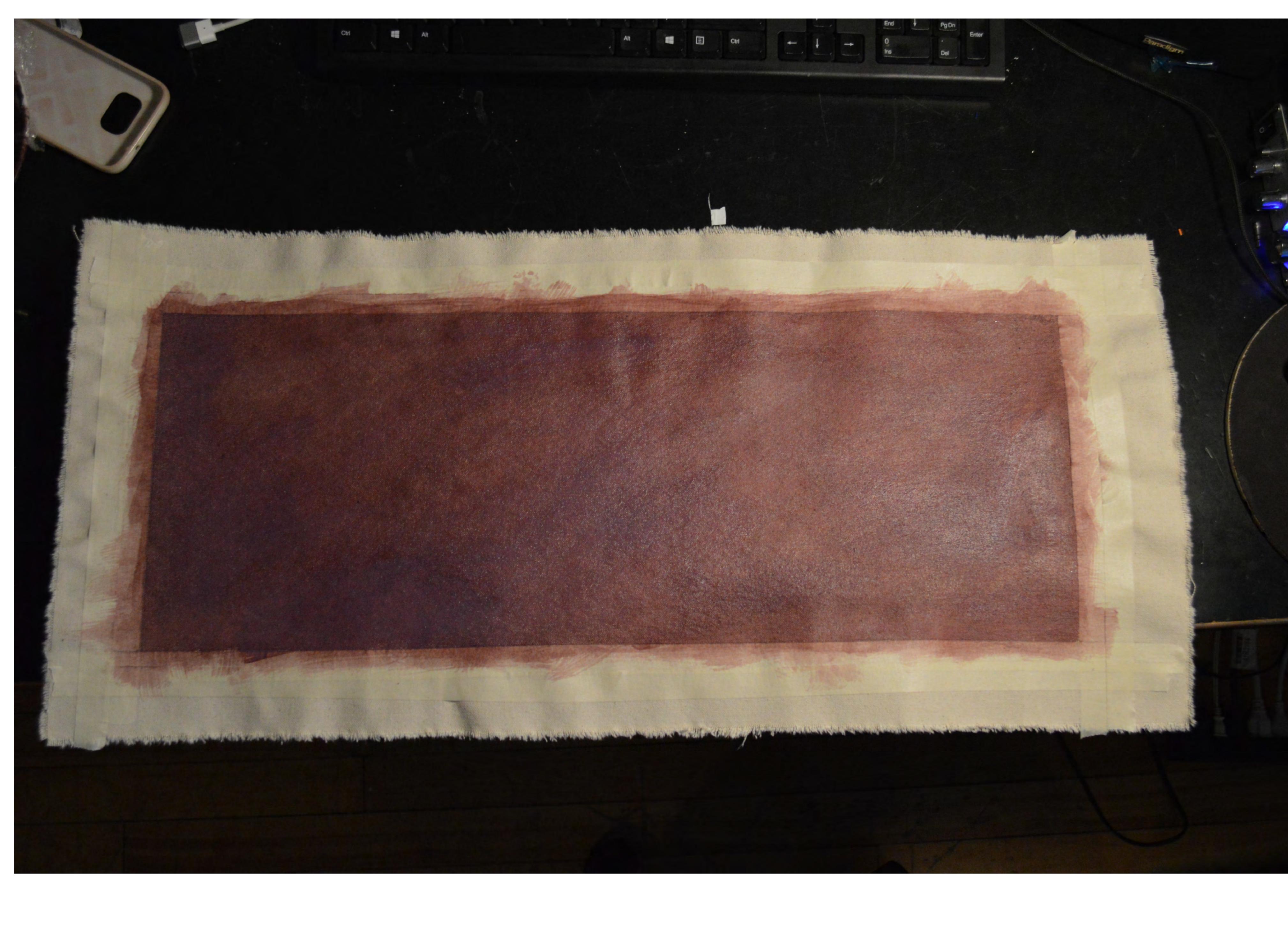
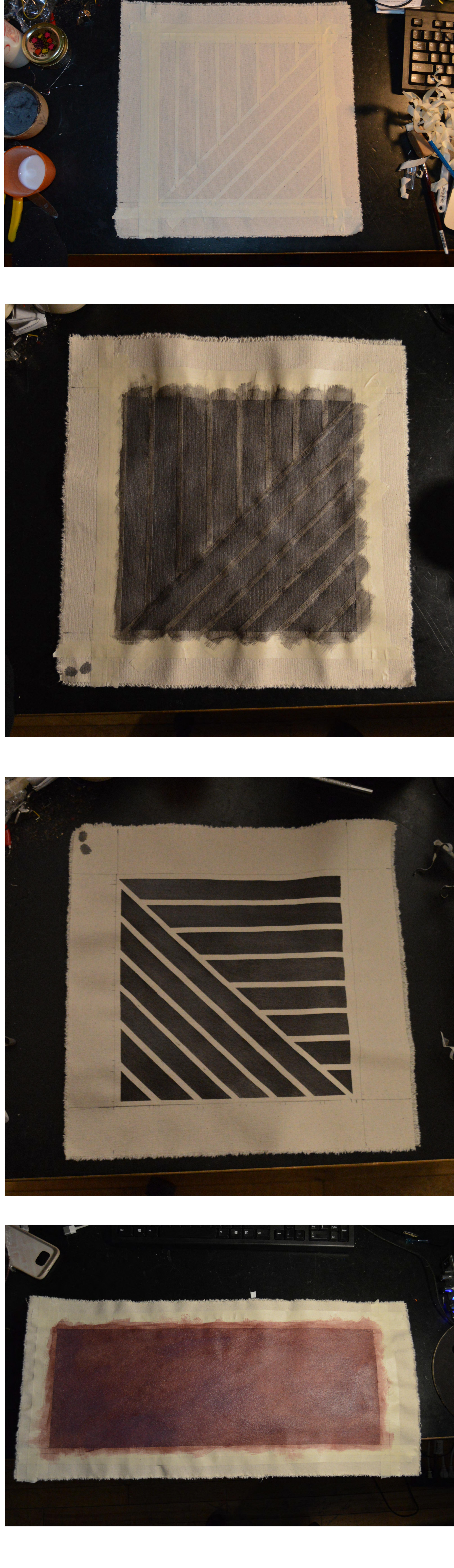
Next, I jumped into Adobe Illustrator to design the patterns I planned to put on canvas. Here are some design experiments:



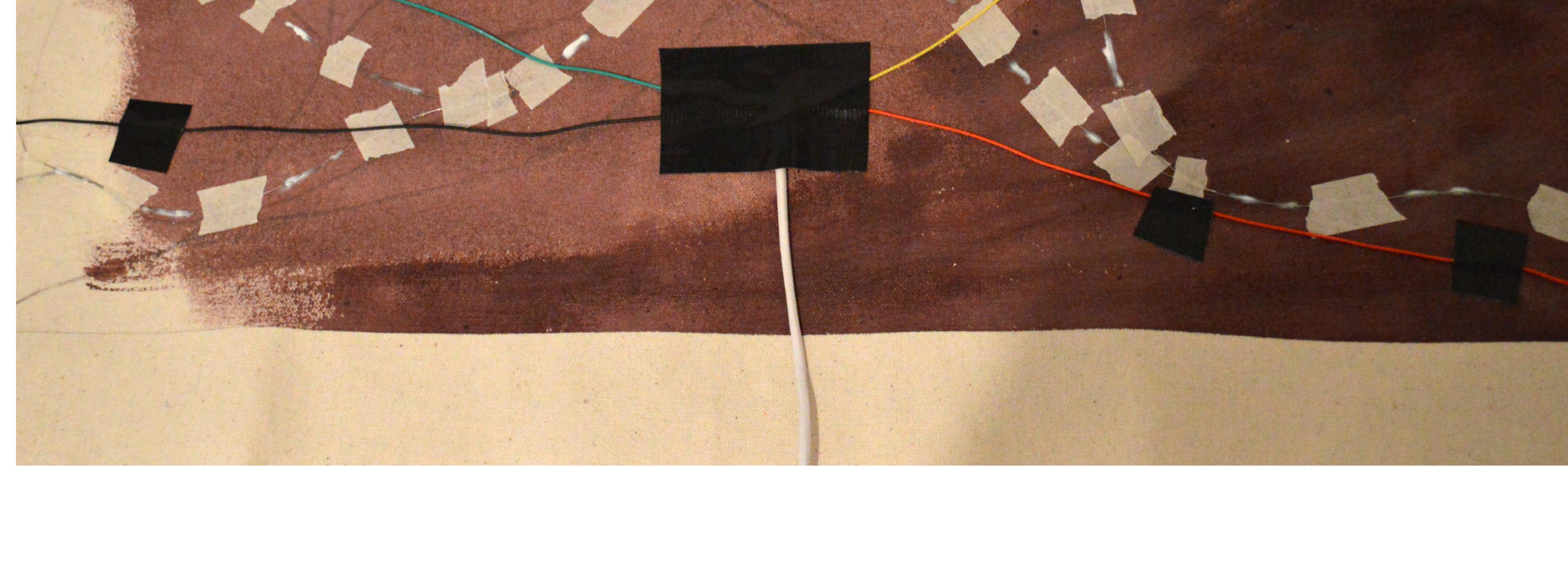
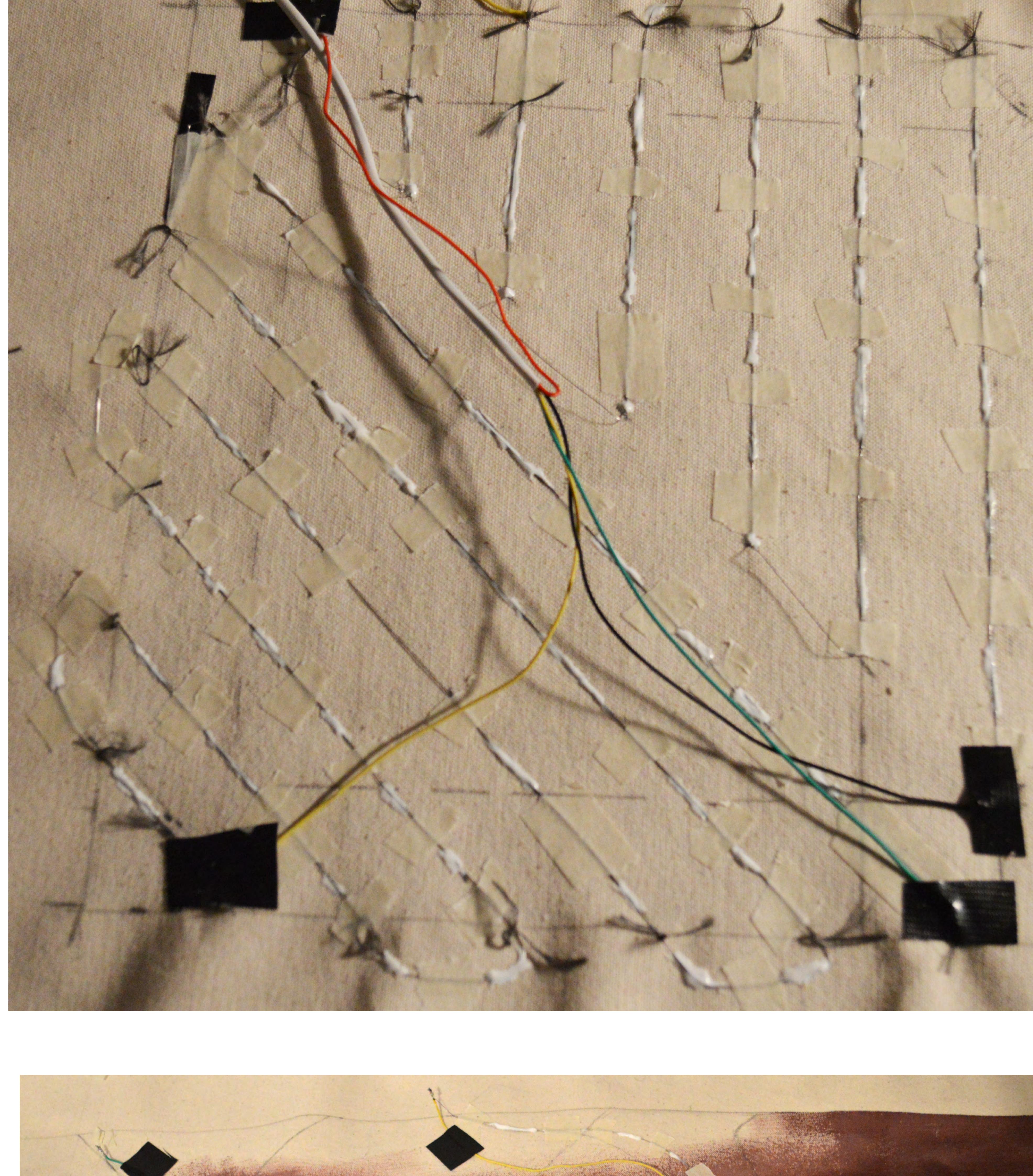
Once I decided on designs, I mixed my pigment and practiced painting.



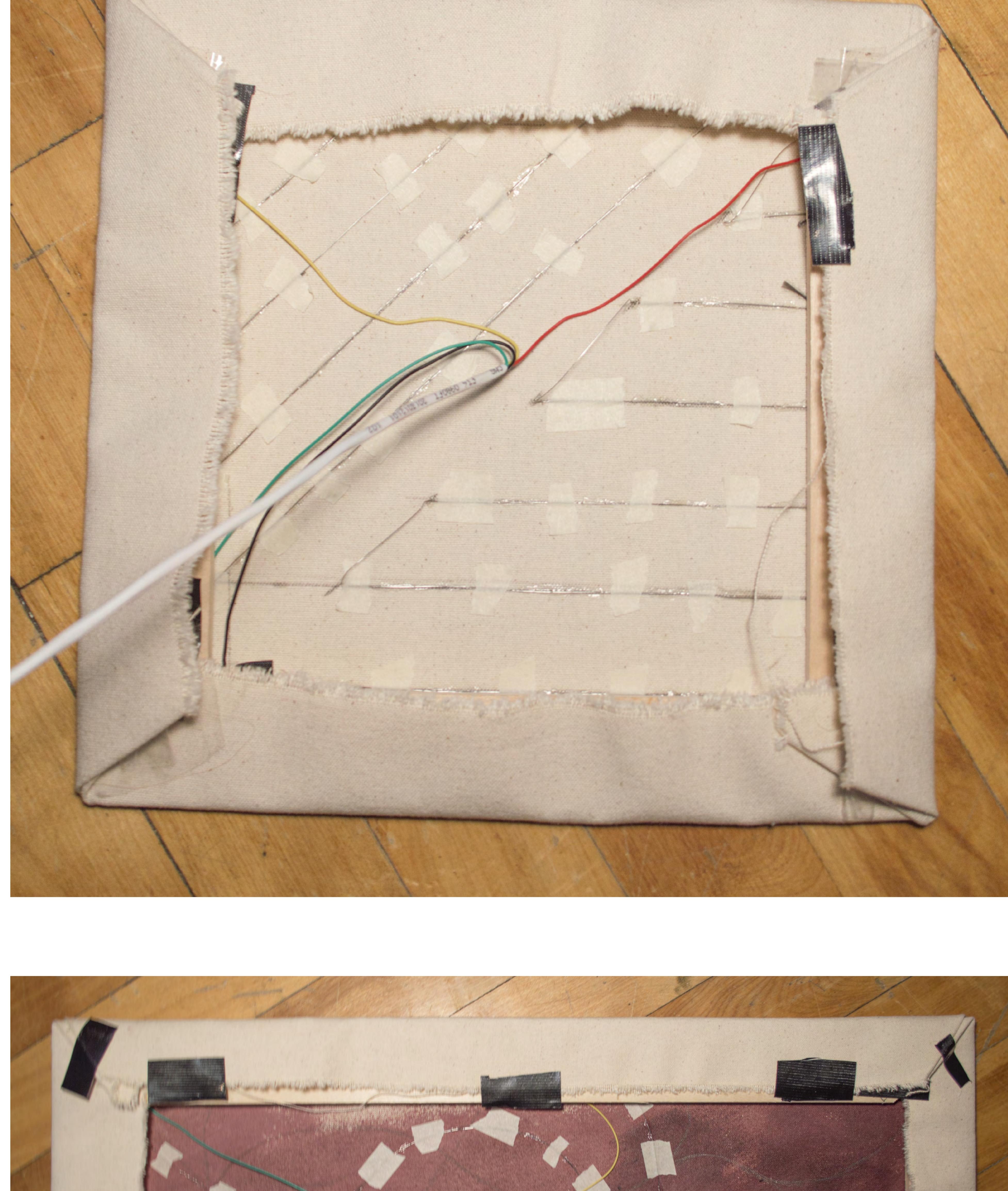
To render my designs as precisely as possible, I prepared my canvas with tape.

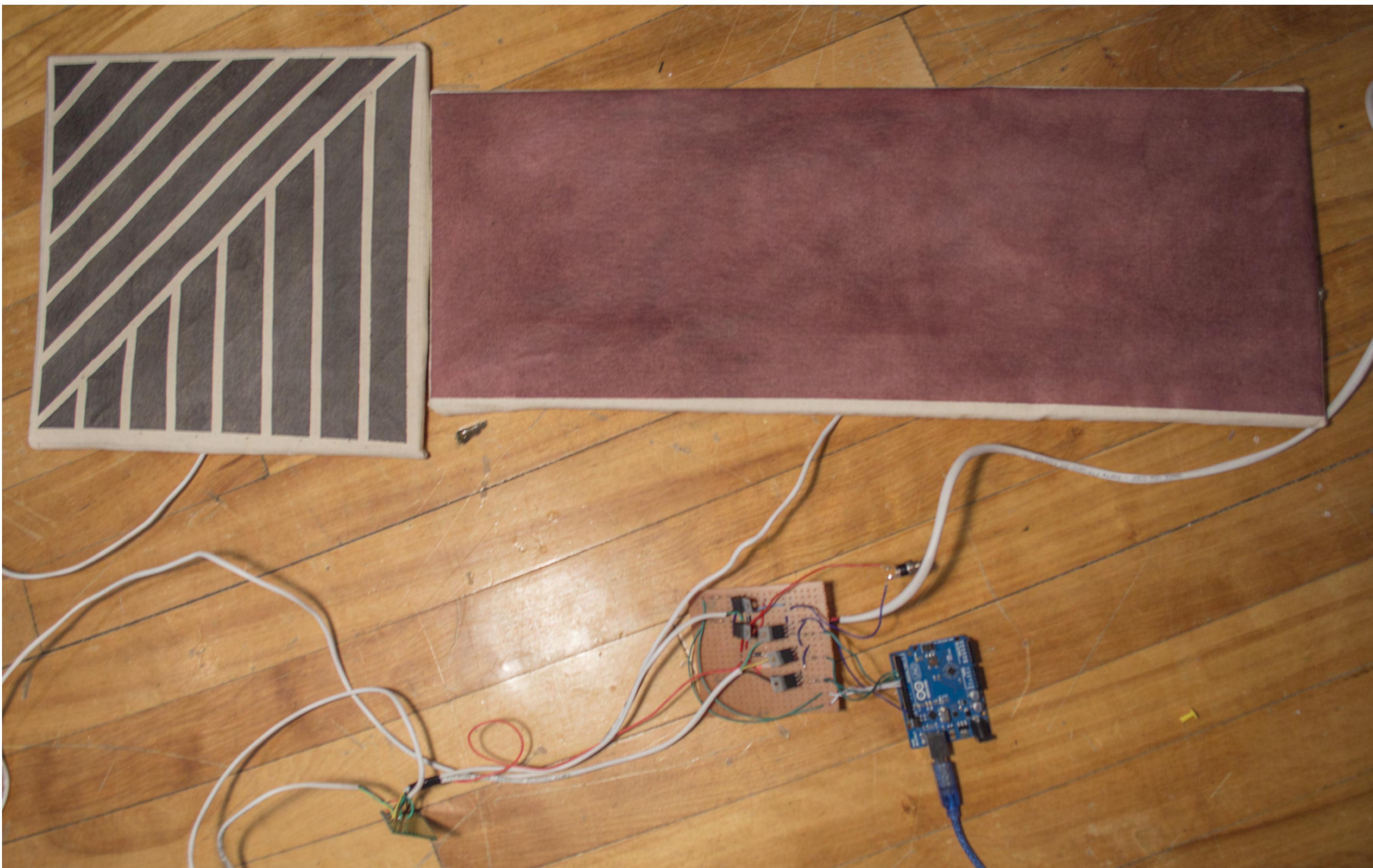


Next, I used a combination of tape and glue to attach the nichrome wire in pre layed-out pattern.



And finally, I attached the canvas to wood frames.





Video documentation of final product:  
<https://vimeo.com/246712661>