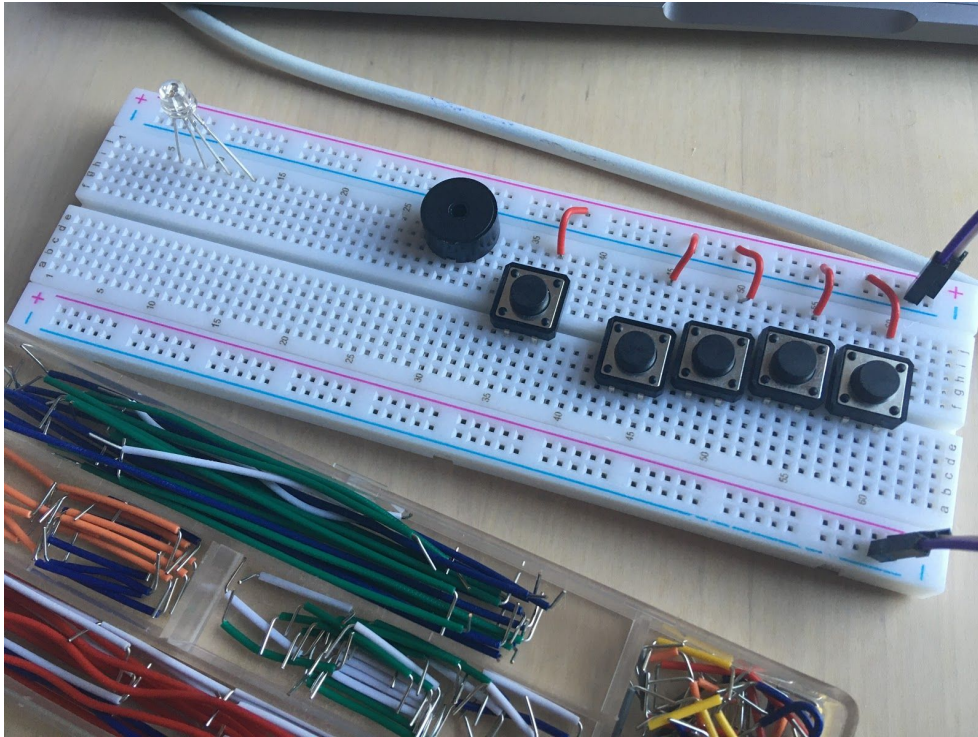


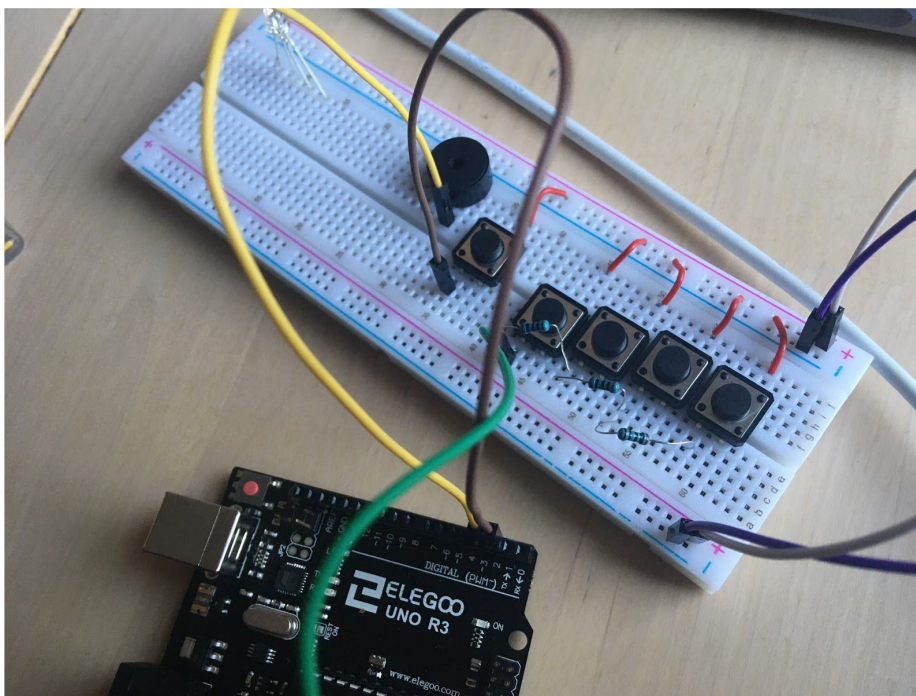
ETUDE THREE - MARTIN HANSES

Build observations:

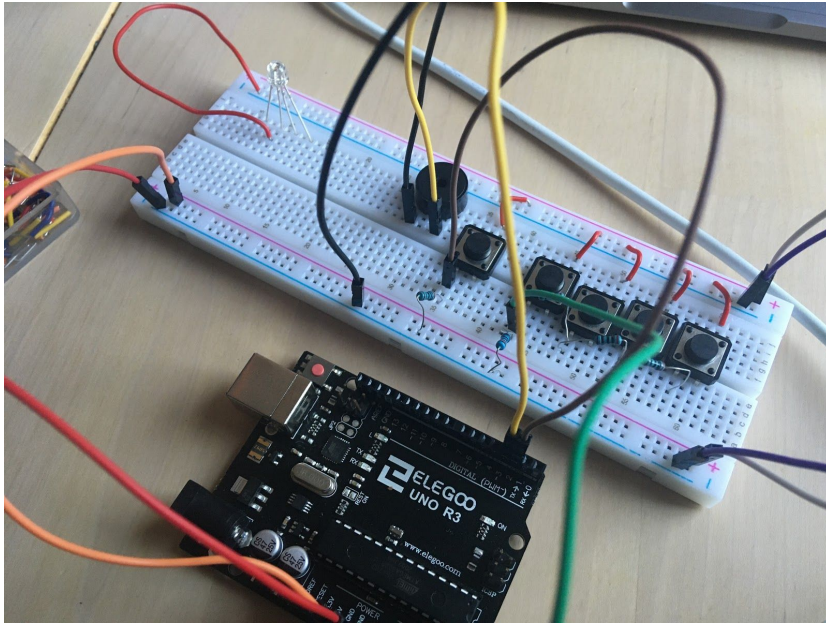
I brought out the parts needed for the build, and started off with the more specific or unique parts - buttons, LED, and buzzer.



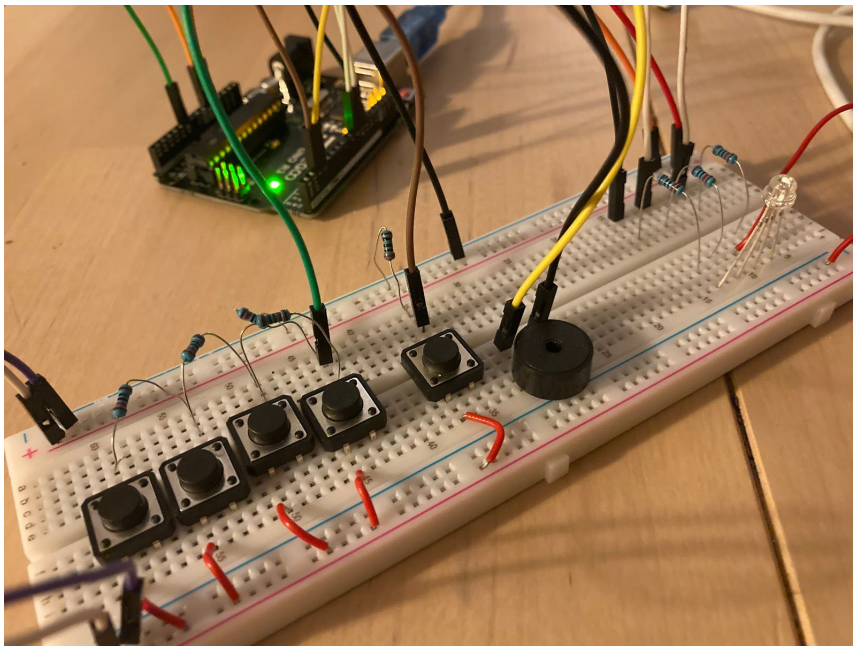
After that, I wired power between the halves of the breadboard, made the resistor ladder with the specified resistors, and connected all input/output wires to the Arduino itself.



Next, I connected power to the breadboard (as well as the resistor for the mode button) as well as ground wires for the LED and the buzzer.



Finally, I connected the resistors of the LED, as well as its connecting wires, and turned the whole thing around so I could actually operate it like a piano keyboard.



FINAL RESISTANT NOTE: After playing around with some options, I ended up changing the resistors on the final build into 200OHM ones, which I felt produced a more pleasant tone.