Etude II

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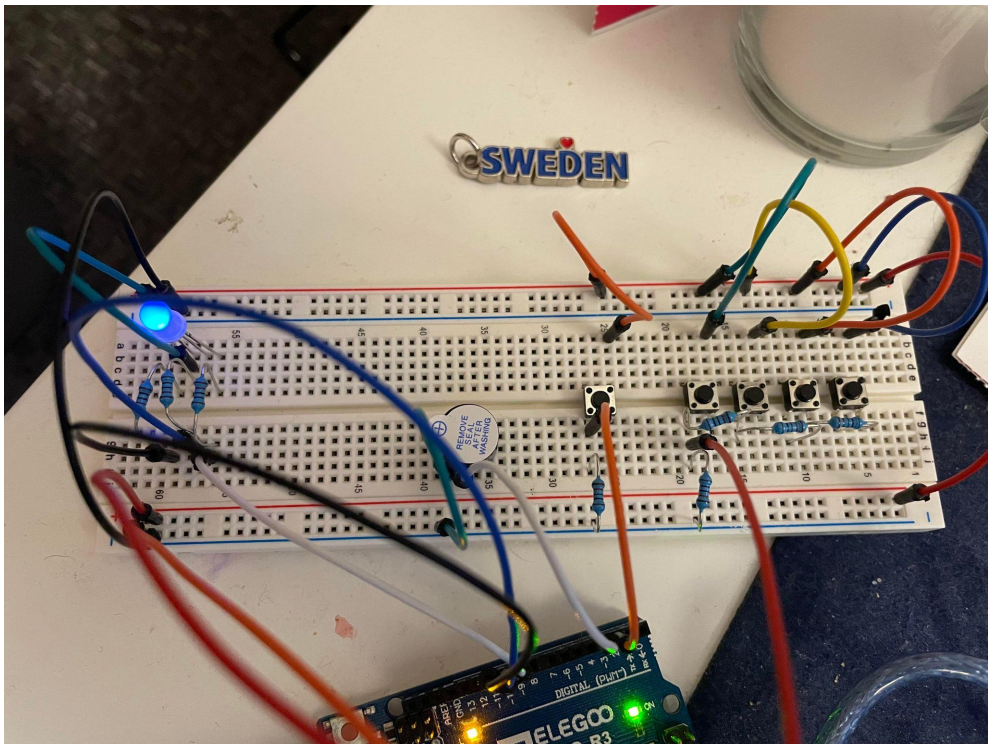
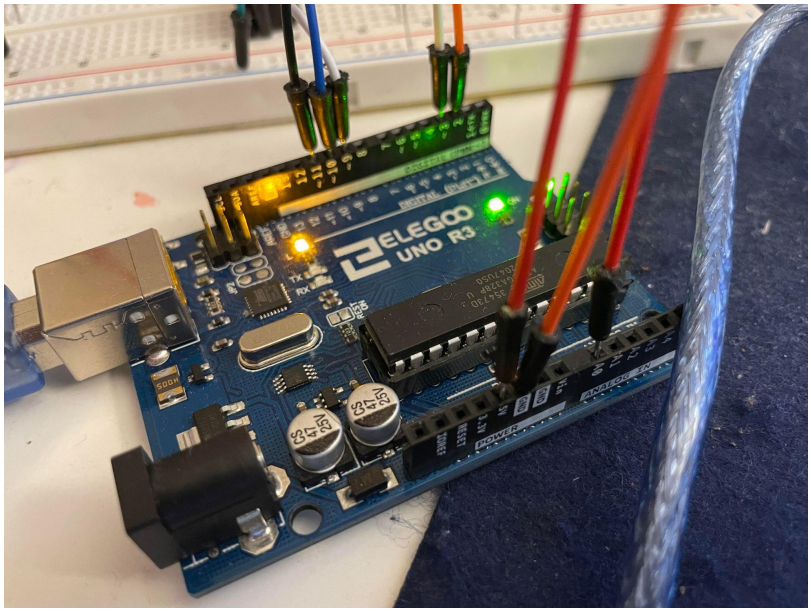
CART360

Part one: Basic Analog Tone Creation

The approach of building the circuit was very interesting to see. The way the buttons and the resistors are set up is what was the most amusing for me.

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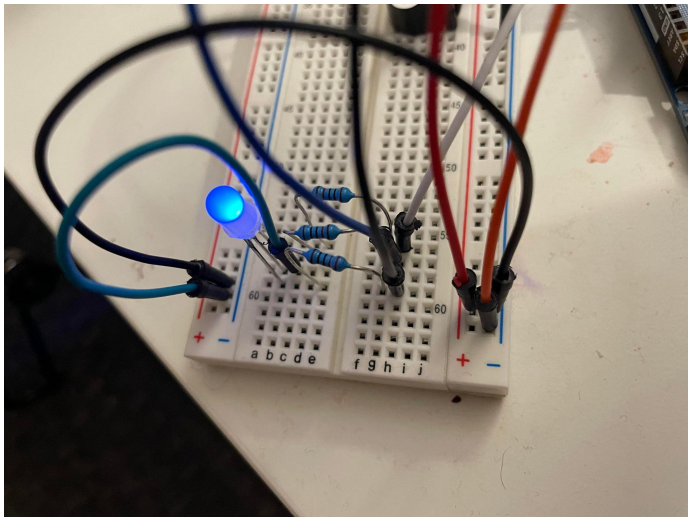

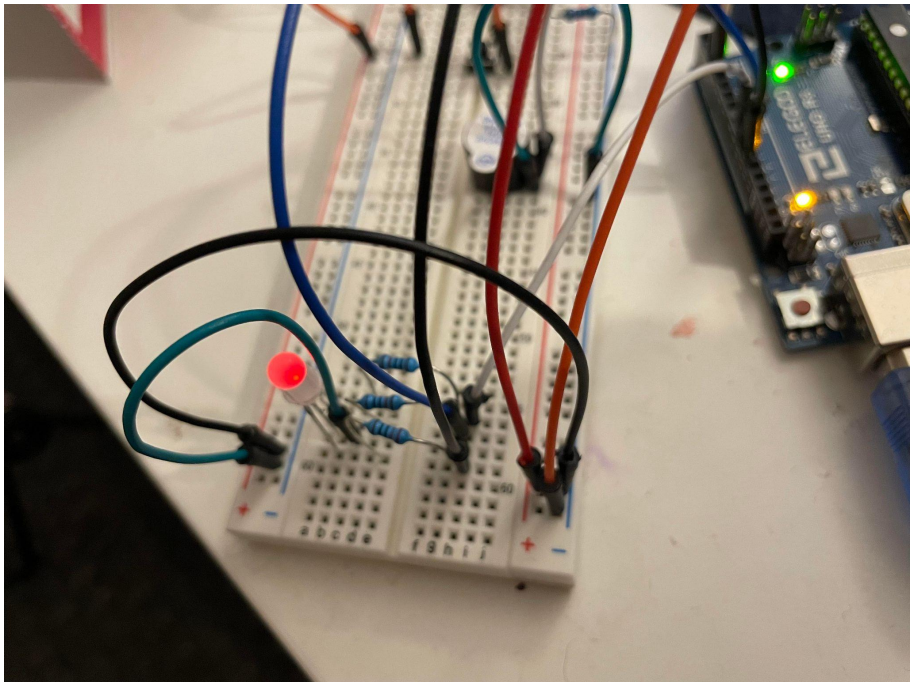

Part Two: Short answer

Since adding a resistor ladder to the buttons, there is going to be a different voltage passing by into each button. The button's analogue input serves as its mode which is sent to the Arduino. And since there is a ladder the 5 voltage going from the Arduino will get lower when passing by it. Lastly, through frequency, we end up getting audible sounds.