CART 360

ETUDE THREE: Loopy-Looper

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Links:

https://a-zahra.github.io/Cart-360/Website/index.html

https://github.com/A-Zahra/Cart-360/tree/master/Etudes

PART ONE: BASIC ANALOG TONE CREATION

On this circuit, first, I had $10~\text{k}\Omega$ resistors for both the buttons and the RGB LED. Through running my code to the Arduino, I found that my RGB LED is not being turned on. I changed my resistors to $200~\Omega$ resistors and again it did not turn on. After ensuring that my code is working properly, I realized that I might have burnt my LED by using $10~\text{k}\Omega$ resistors. This time, I kept the $200~\Omega$ resistors and I changed my RGB LED. The RGB LED turned on. Therefore, I learned that $10~\text{k}\Omega$ resistors are not appropriate for the RGB LED, since their resistance against the voltage is not adequate and thereby, the LED is receiving a rate of current which is more than what the LED can bear. This is why the LED burnt.





