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ME314
Lab 6
Sensor Data Collection

      I collected data using a DHT-22 Humidity and Temperature sensor, thermistor, and photoresistor over a span of 8 hours in the research lab I work in on campus. I used a Raspberry Pi connected to the Arduino Mega which was reading each sensors data every 10 seconds. I wrote a Python script on the Raspberry Pi to read the serial data from the Arduino and to insert and store it into a database. I then utilized Python matplotlib package to graph each sensors collected data over the time.

DHT-22 vs Thermister Temperature