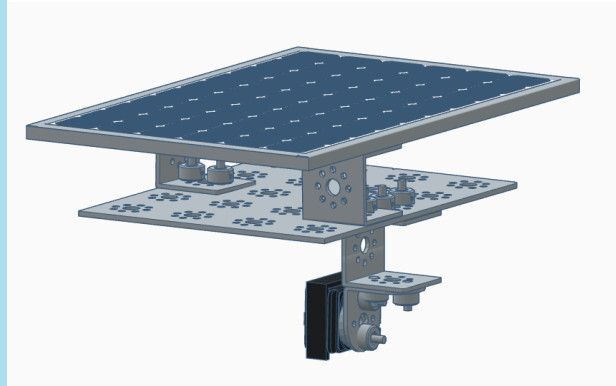


Procedure

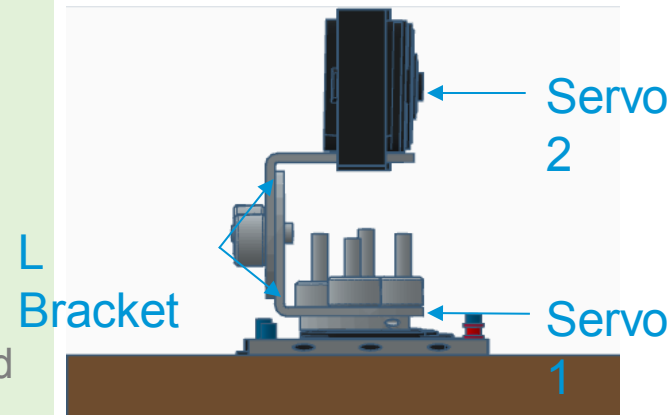
Construction

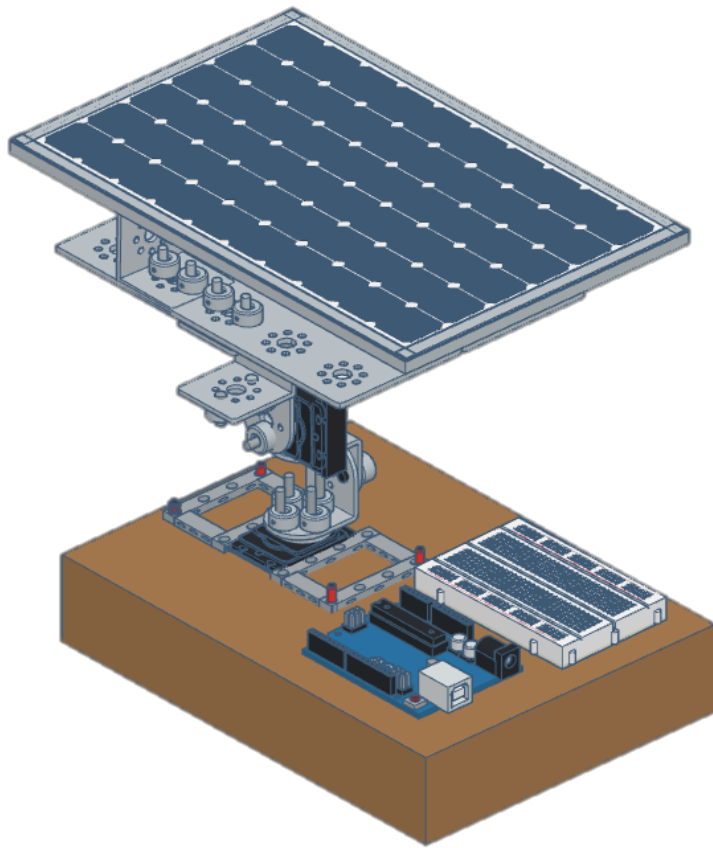
1. Attach Servo 1 horn to one end of L Bracket and other end to Servo 2
2. Attach Servo 2 horn to a plate using a MAX Channel and a L Bracket
5. Attach two MAX Channels to the plate and tape the solar panel onto the MAX Channels



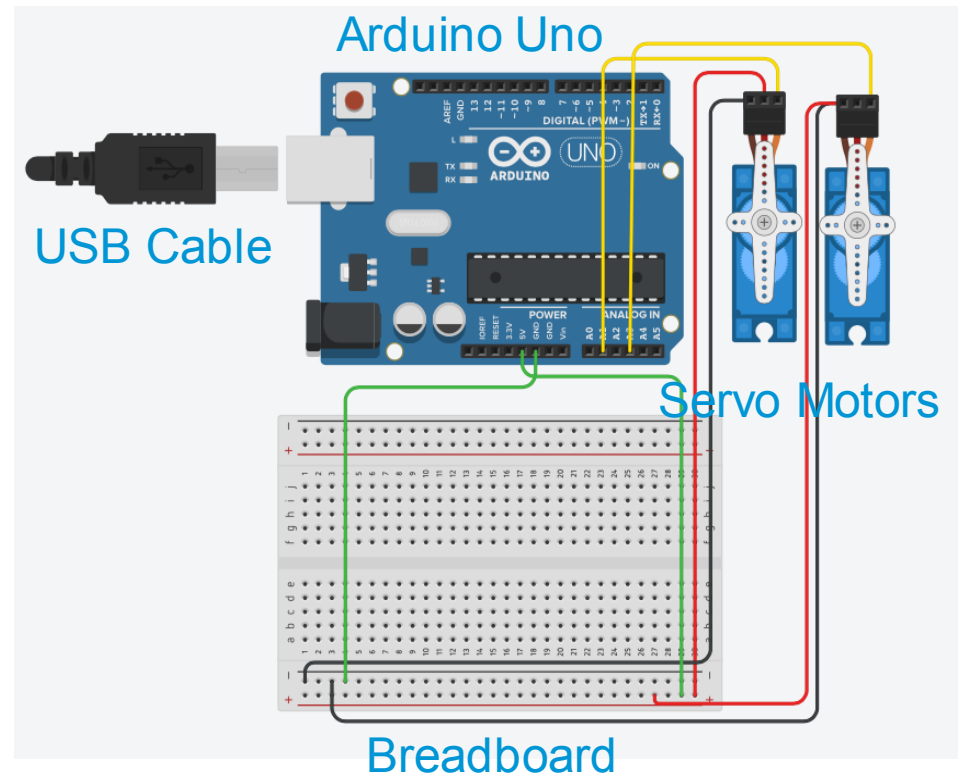
Data Collection

1. Place the solar panel and solar tracker on separate stools.
2. Run the machine learning algorithm.
3. Connect the ammeter leads to the solar panel and record the current (mA).
4. Repeat steps 2-4 every hour for multiple days between 6am – 6pm





3-D Model of the Dual-Axis Solar Tracker



Circuit Diagram

Key
+5V
GND
Analog Ports
Connectors