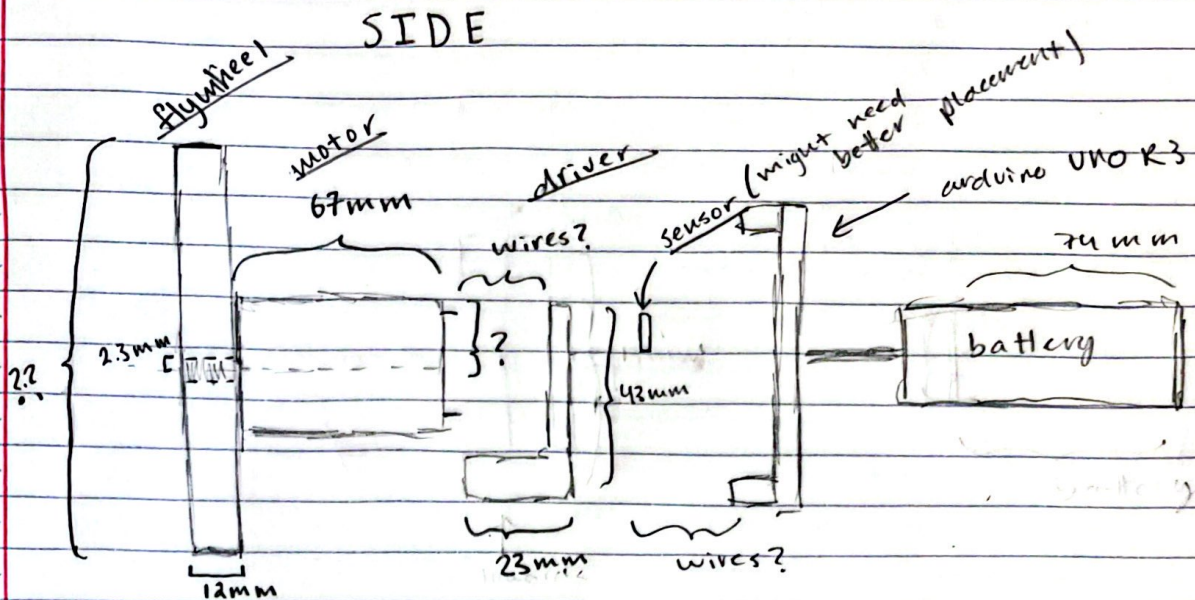


#15/2025

electronic components w/ dimensions V1.1



notes:

- 12V DC motor has a shaft of 12mm length & 2.3mm radius
- driver height = 23mm width/length = 43mm
- sensor: 4mm x 4mm
- arduino Uno: 68.6mm x 63.4mm
- battery: 74 x 35 x 18mm
- large part of driver located towards bottom of design b/c its heavier
- want a lower center of gravity
- the flywheel should be 2x size diameter wise of electronics
- total ~ length: 180mm
- one line might not be optimal

needs

- need to find a way to mount electronics in a way that their still accessible
- beams around center of flywheel?
- beams holding electronics from rectangular prism
- ⇒ need to look for a way to make all the electronics fit together