

## Robotics with MuJoCo, HW 1

### Topic: XML files

Email solutions to pranav@uic.edu.

1. **Simulated Rube Goldberg machine:** Your goal is to create a cascading effect like that in Rube Goldberg machine using geometries available in MuJoCo. You can also arrange by different orientation/position/size/shape to create more interesting behaviors. Use at least 10 geometries. Here is one example from YouTube. <https://youtu.be/OHwDf8njVfo?t=85>
  - (a) The xml files should be such that when loaded using simulate, nothing moves.
  - (b) Write a C file that would induce movement in any one geometry that would have a cascading effect. Adjust the camera motion so that it is easy to see the cascading effect.