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I did some research on how to make the camera face north in initiating. I found two solutions, one is to still use the magnetometer. In order to minimum the signal interference from other magnetic field, we can use a program to calibrate the magnetometer before using. Another solution is to calibrate the stepper itself. We can put the camera to face the object at the first use and calculate the initial angle between North and the two points, after that the camera can track the object according the initial angle.