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Final project proposals

1.

I would like to create a robot arm that can proportionally dispense salt and black pepper or any seasoning for that matter into someone’s dish. I would need to figure out the size of the claw and its range, also the amount of seasoning covering each particular dish based on size. The robot arm should know when to stop dispensing seasoning or I could add a timer.

2.

I would also like to create a robot arm that basically holds a microphone for you while you sing. Say for instance you were to move to the left the robot arm would turn left to keep the microphone in front of your mouth. In order to do this, I would need to figure out how to make the robot arm track direct motion and follow its movements.

3.

One project that would be useful is having a robot arm help you with laundry. In particular rolling socks together. I would need to figure out how the arm would be able to pair the proper socks together, probably by the majority of similarities within each sock. The claw or claws will need to get the sock within each other meaning each claw will have a corresponded to get the socks rolled within each other.