Create Skills For Baxter Robot

In this project you will program skills for a Baxter robot, and potentially other robots available in the Autonomous Systems Lab, using the Robot Operating System (ROS). The skills you create will range from simple to complex, such as picking, placing, pushing, and other manipulation tasks. These skills will be used in the creation of symbols that allow the robot to determine when it can apply those skills.

We are looking for a set of skills that can be easily and reliably run on a Baxter robot. The code should be able to be used in the future with reasonable ease and be well documented.

Deliverables:

- Set of skills that can be run reliably on a Baxter robot
- Appropriate level of documentation of code

Requirements: Programming experience (ROS and python preferred)

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Course number: CS4999/CS5999/MAE4900/MAE6900
Credits: 3-4

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