rviz
ROS + PR2 Training Workshop
Outline

1. Live Demonstration: 45 minutes
2. Play Time: 45 minutes
System Requirements

1. 3D card with the correct (likely proprietary) drivers
   - Recommended cards: anything recent from nvidia
   - Intel cards work but slowly
   - ATI should work but little direct experience

2. Access to the real hardware (virtualized environments do not currently work)

3. 3-button mouse
Live Demos

- Displays: http://www.ros.org/wiki/rviz/DisplayTypes
- Recording: http://www.ros.org/wiki/RecordingOpenGLAppsWithGLC
- Markers:
  - http://www.ros.org/wiki/rviz/DisplayTypes/Marker
Play Time

Rviz docs: http://www.ros.org/wiki/rviz

Marker tutorials:
http://www.ros.org/wiki/rviz/Tutorials

Optional Goal:
Draw a trail of boxes along the recent path of the gripper.
Creating an Overlay to Work In

```bash
mkdir ~/overlay

echo "source /opt/ros/boxturtle/setup.sh" > ~/overlay/setup.sh

echo "export ROS_PACKAGE_PATH=~/overlay:$ROS_PACKAGE_PATH" >> ~/overlay/setup.sh

source ~/overlay/setup.sh
```