|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Navigation | Forward / Backward | W | S | |
| Slide Left / Right | A | D | |
| Ascend / Descend | Q | Z | |
| Robot's camera | Toggle robot’s camera | 1 | | |
| Take a picture from the robot’s camera (save as a image file) | 2 | | |
| Manual robot control | Rotate right shoulder joint 0 | [ | | Shift+[ |
| Rotate right shoulder joint 1 | P | | Shift+P |
| Rotate right elbow joint 0 | O | | Shift+O |
| Rotate right elbow joint 1 | I | | Shift+I |
| Rotate right wrist joint 0 | U | | Shift+U |
| Rotate right wrist joint 1 | Y | | Shift+Y |
| Rotate right wrist joint 2 | T | | Shift+T |
| Open right gripper | = | | |
| Close right gripper | - | | |
| Rotate left shoulder joint 0 | ‘ | | Shift+’ |
| Rotate left shoulder joint 1 | ; | | Shift+; |
| Rotate left elbow joint 0 | L | | Shift+L |
| Rotate left elbow joint 1 | K | | Shift+K |
| Rotate left wrist joint 0 | J | | Shift+J |
| Rotate left wrist joint 1 | H | | Shift+H |
| Rotate left wrist joint 2 | G | | Shift+G |
| Open left gripper | 0 | | |
| Close left gripper | 9 | | |
| Rotate head joint (pan) | ] | | Shift+] |
| Cycle through facial expressions (screen) | \ | | |
| Matlab robot control | Toggle Matlab agent | M | | |
| Tabletop objects | Materialize a large block | B | | |
| Materialize a stack of small blocks | N | | |
| Clean up the table | C | | |