



Robotic Manipulation

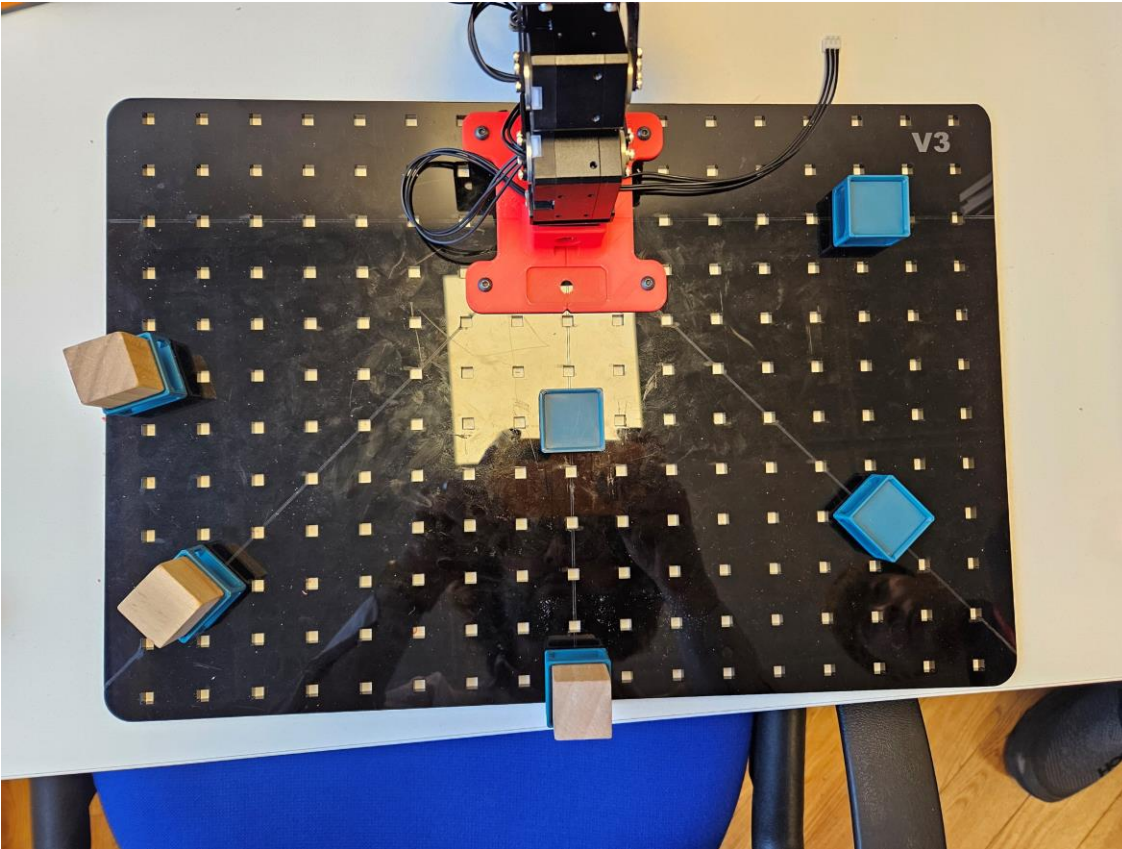
ELEC60030

Dr Ad Spiers

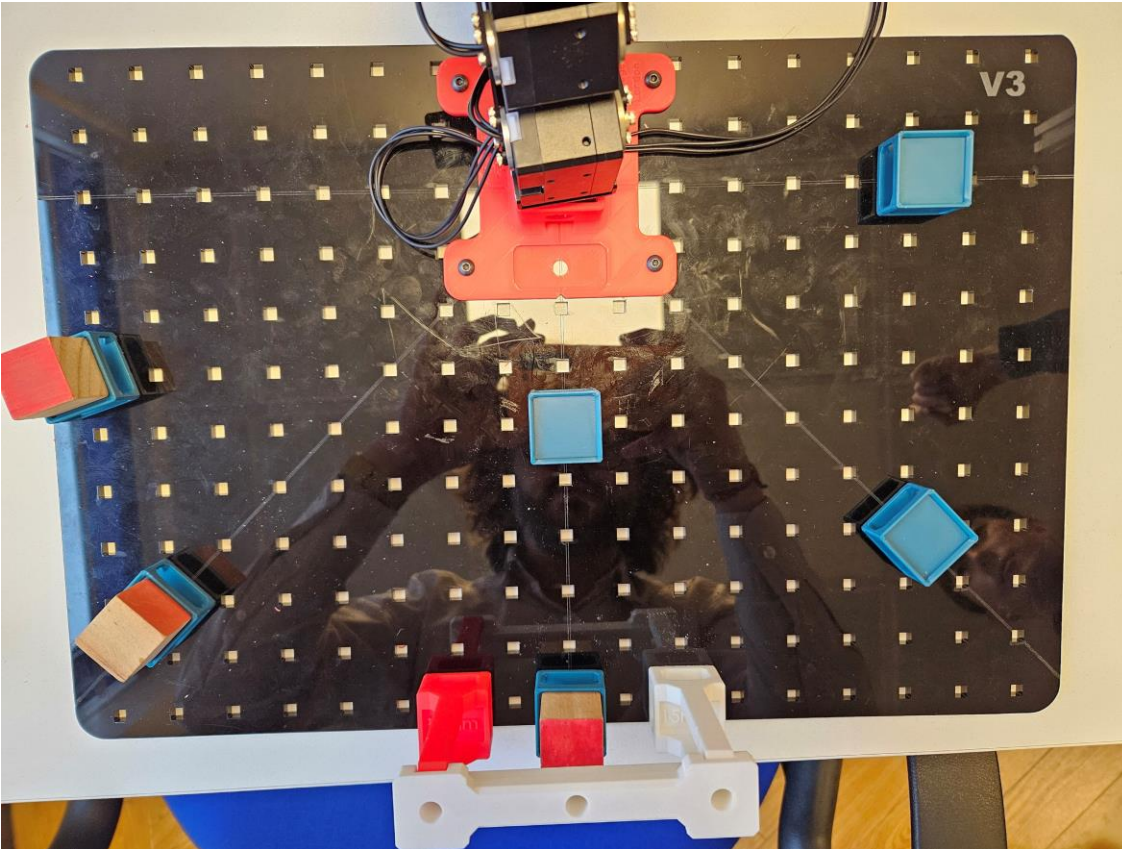
Task 2 Layouts

Part 2.a

- Move the three cubes to the empty cube holders
- One cube per cube holder

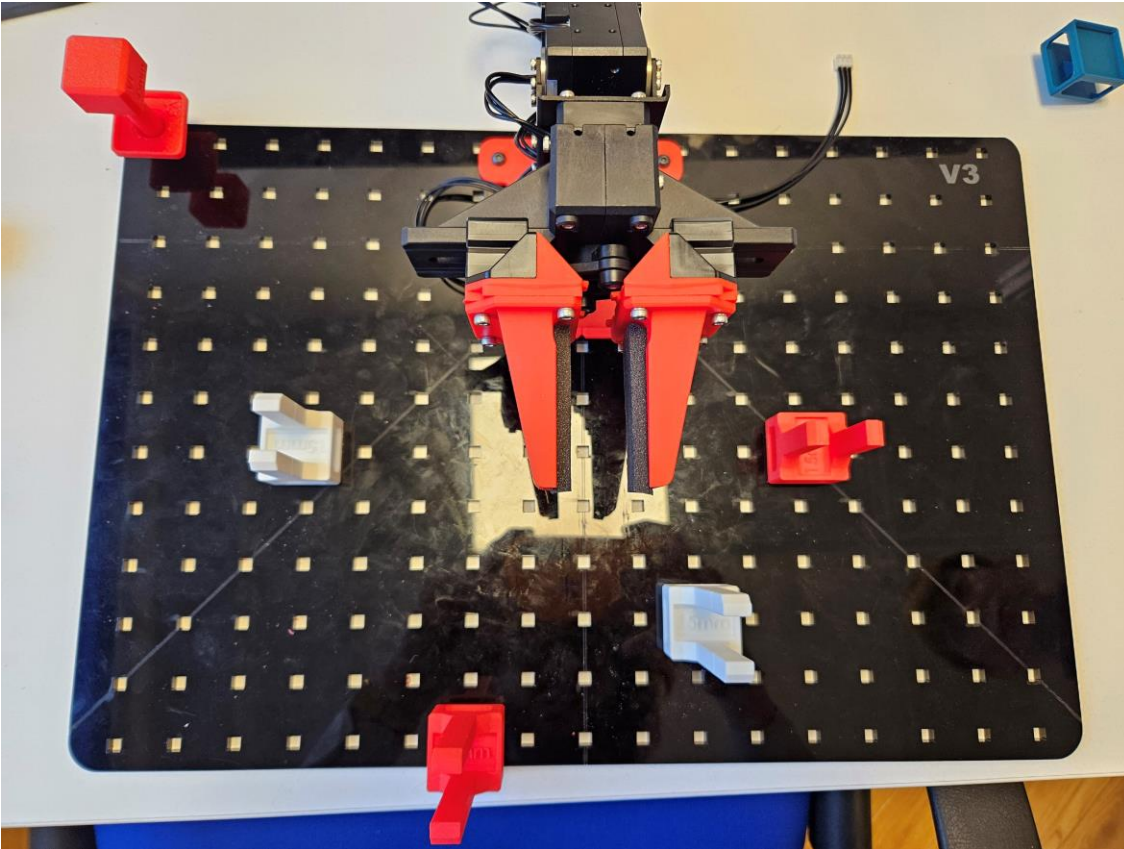


Part 2.b



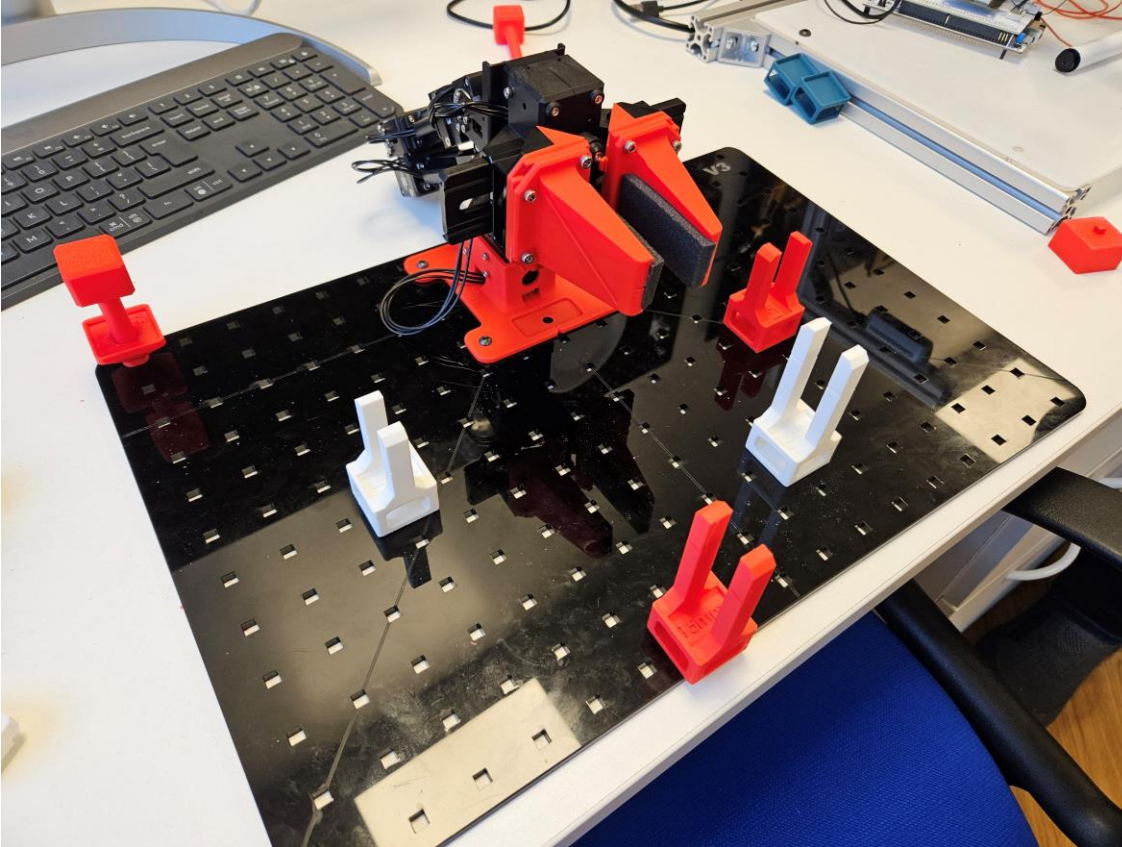
- Stack all the cubes on one of the empty cube holders
- Rotate the cubes so the red faces face outwards
- Do not touch the gates or bridge

Part 2.c



- Pick up the tool (top left)
- Move the tool through the gates
- The tip of the tool needs to be below the lines on the gates
- Points are deducted if you touch the gates
- Drop the tool when the task is finished (you do not need to put it back in the tool holder)

Part 2.c (Alternative Angle)



- Extra points are awarded for smoothness of movement and speed of completion (in all tasks)
- Note that this is the starting pose of the robot (for all tasks).