

# Drawsmo

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# Cozmo + Marker

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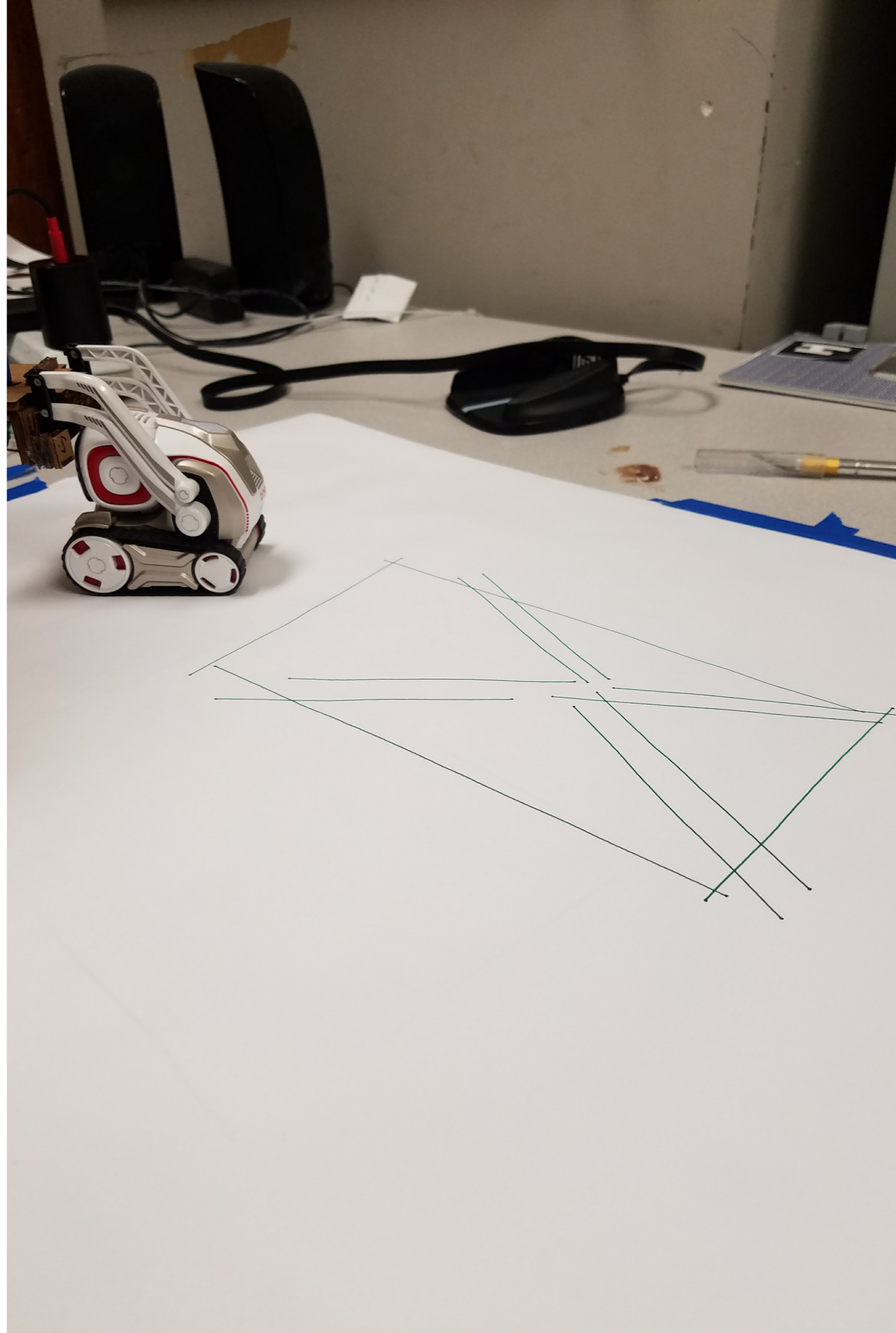
- Laser cut cardboard on Cozmo's lift holds a marker
- User draws straight lines on screen → Cozmo draws it



# Challenges

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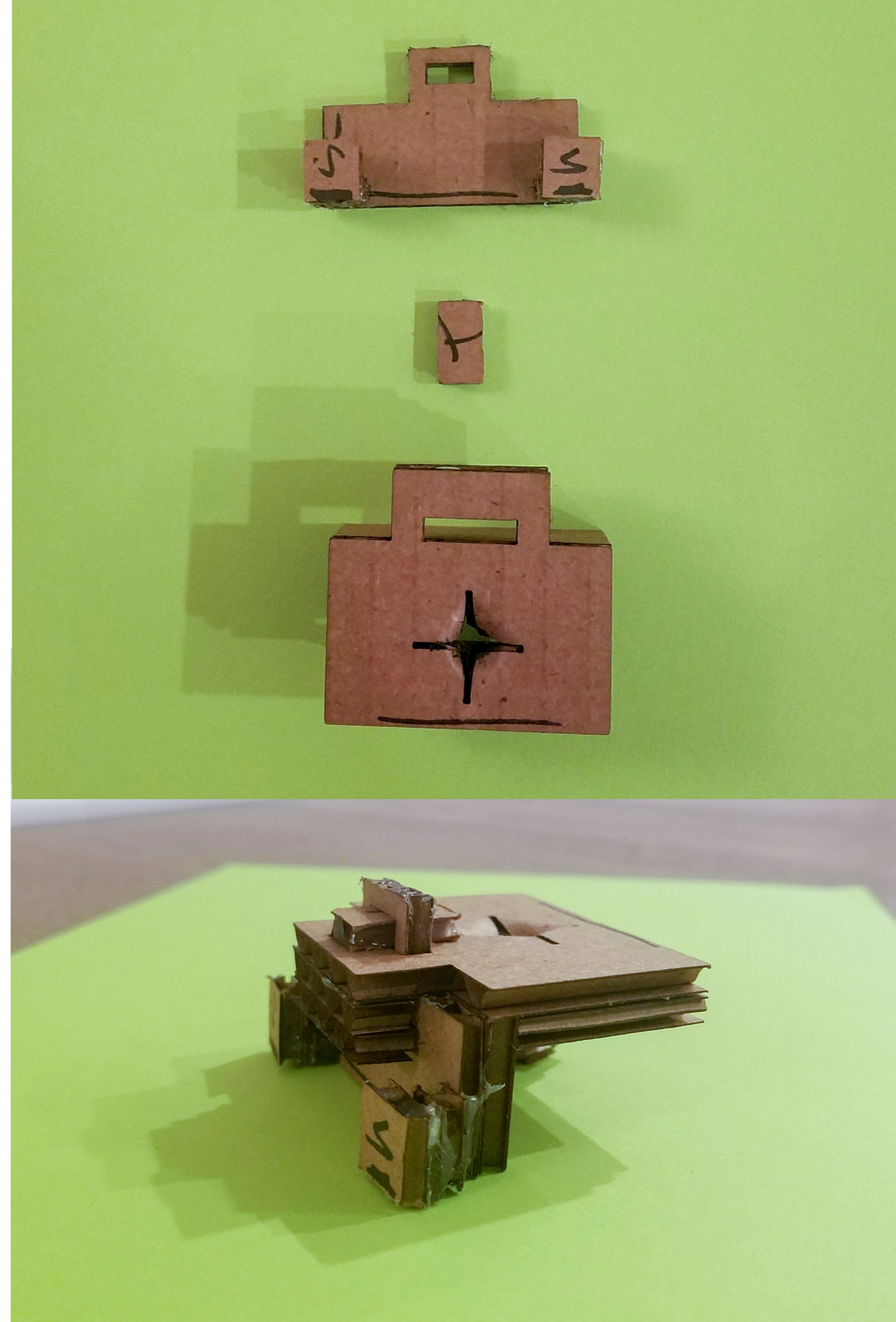
- Attaching the cardboard while still allowing the lift to move freely
- Math to get Cozmo to make the correct movements
- Interactions between our code and `cozmo_fsm` caused strange bugs



# Unique Solutions

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- Hole in cardboard for pen is modeled after a soft drink lid
- Cardboard attaches with slots and tabs—no need for adhesive and still reusable



# Further Extensions

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- Drawing arcs and circles
- Attaching pen without impeding Cozmo's camera

