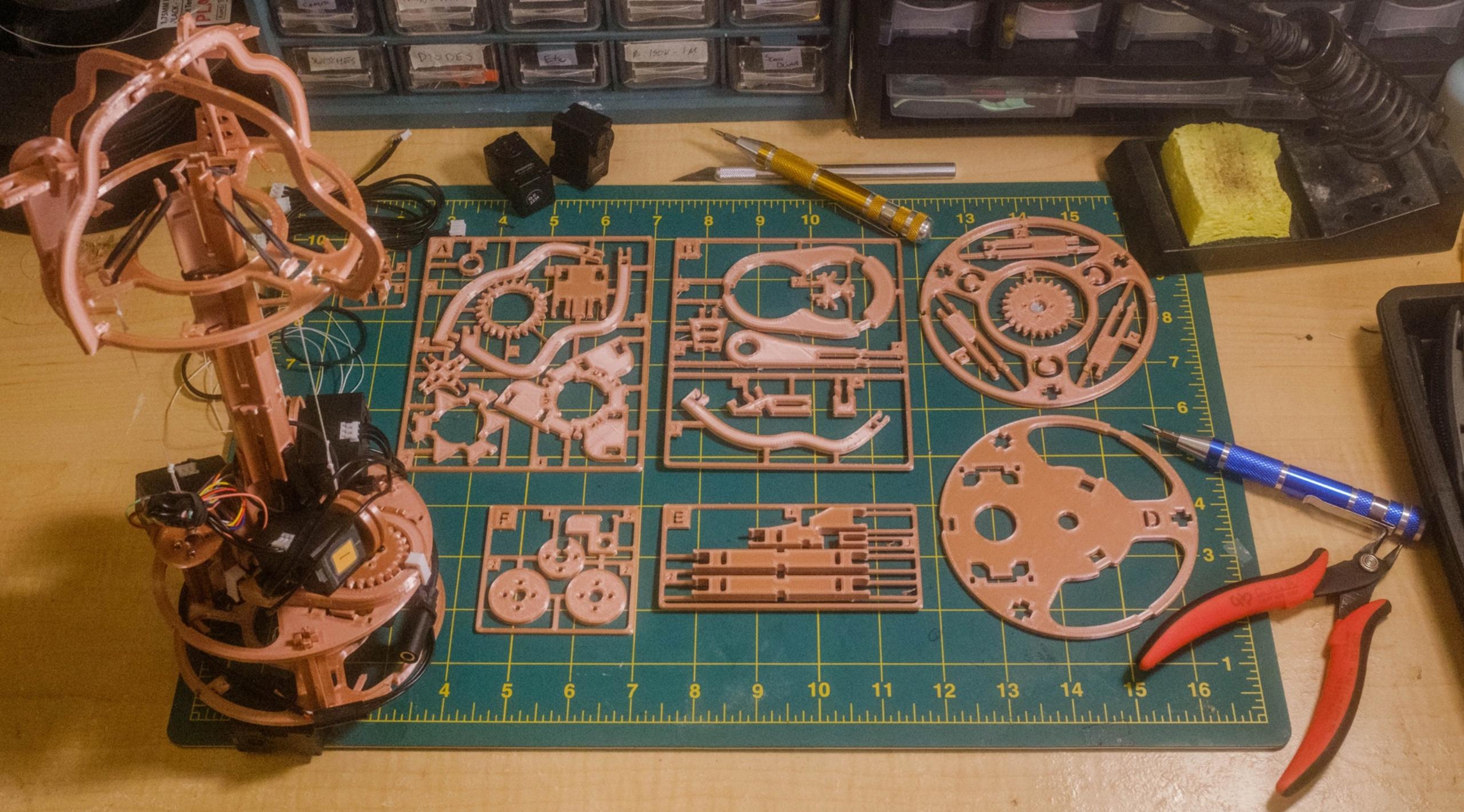


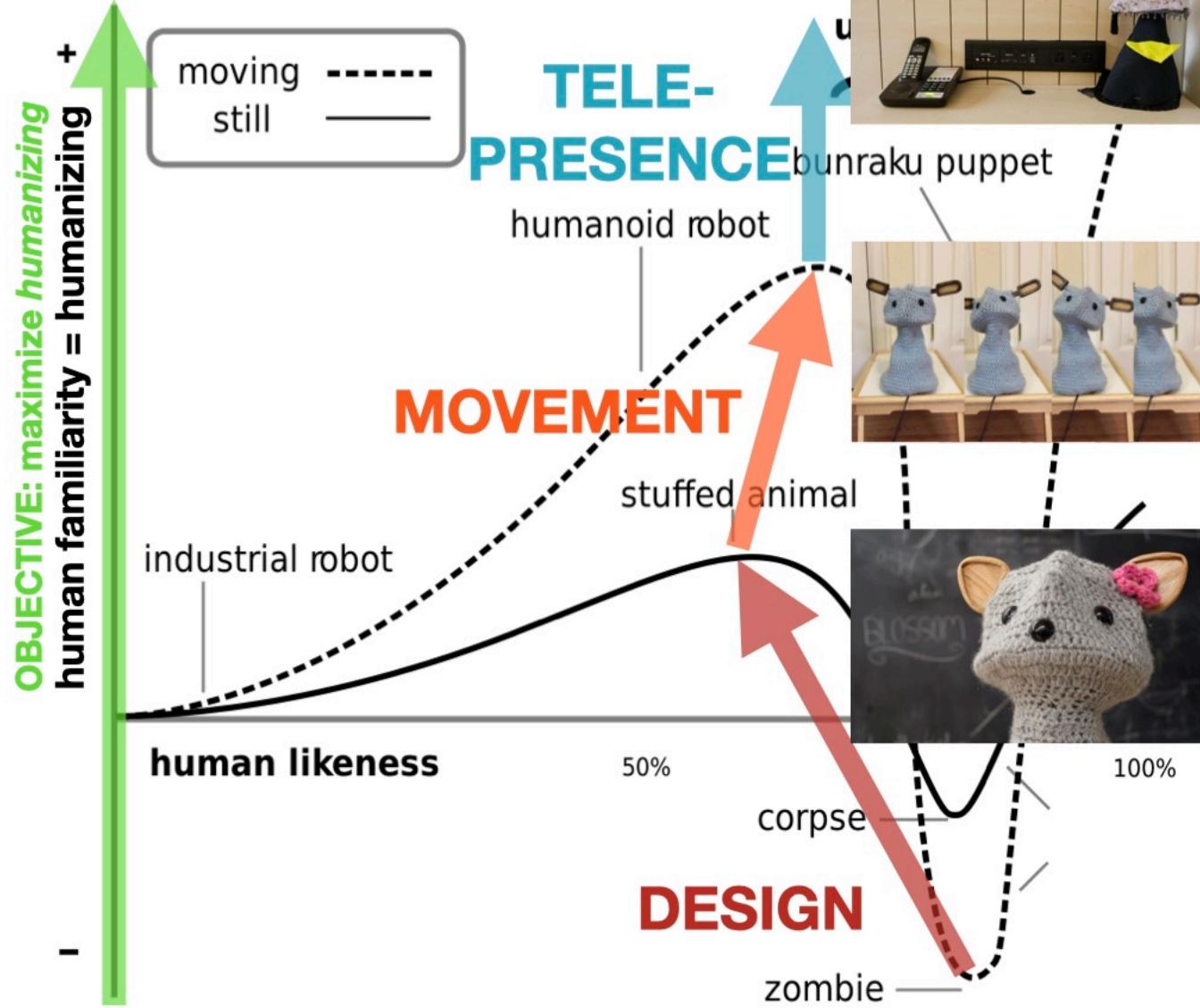
bism



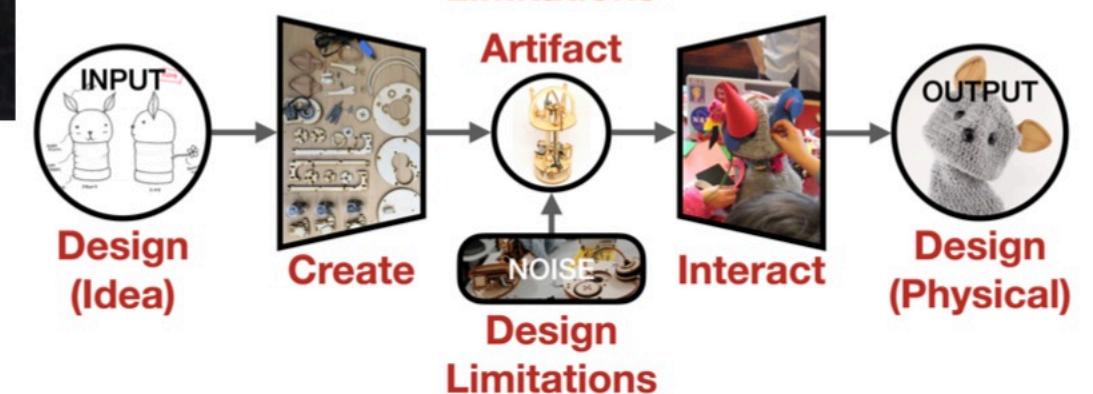
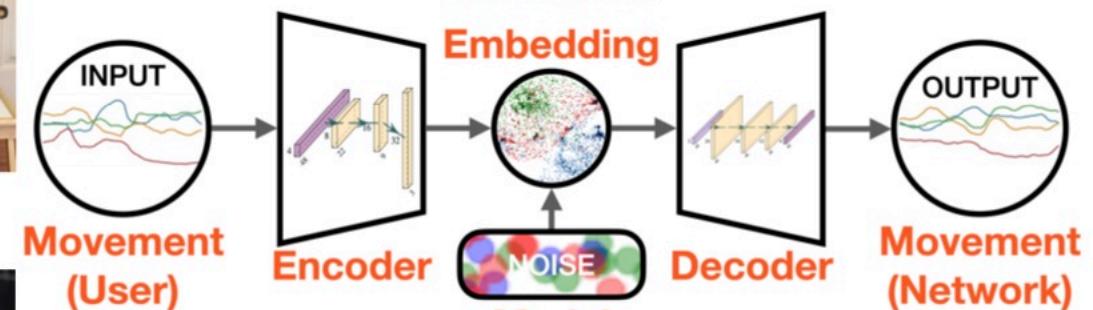
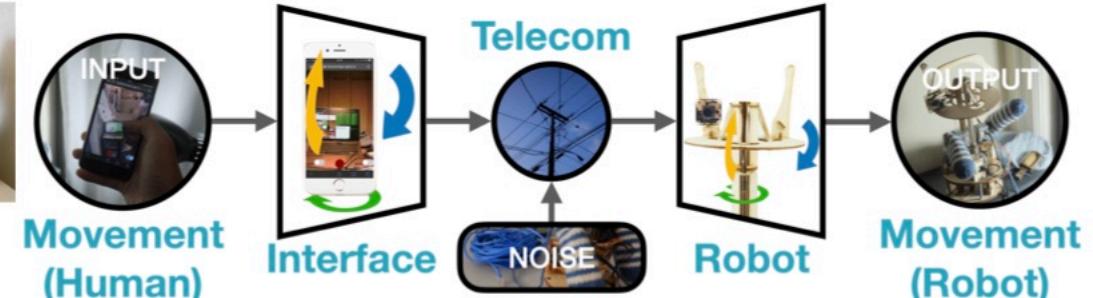




RESEARCH
MESEARCH



TELE-PRESENCE

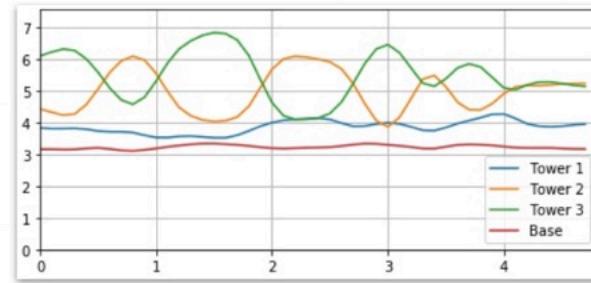
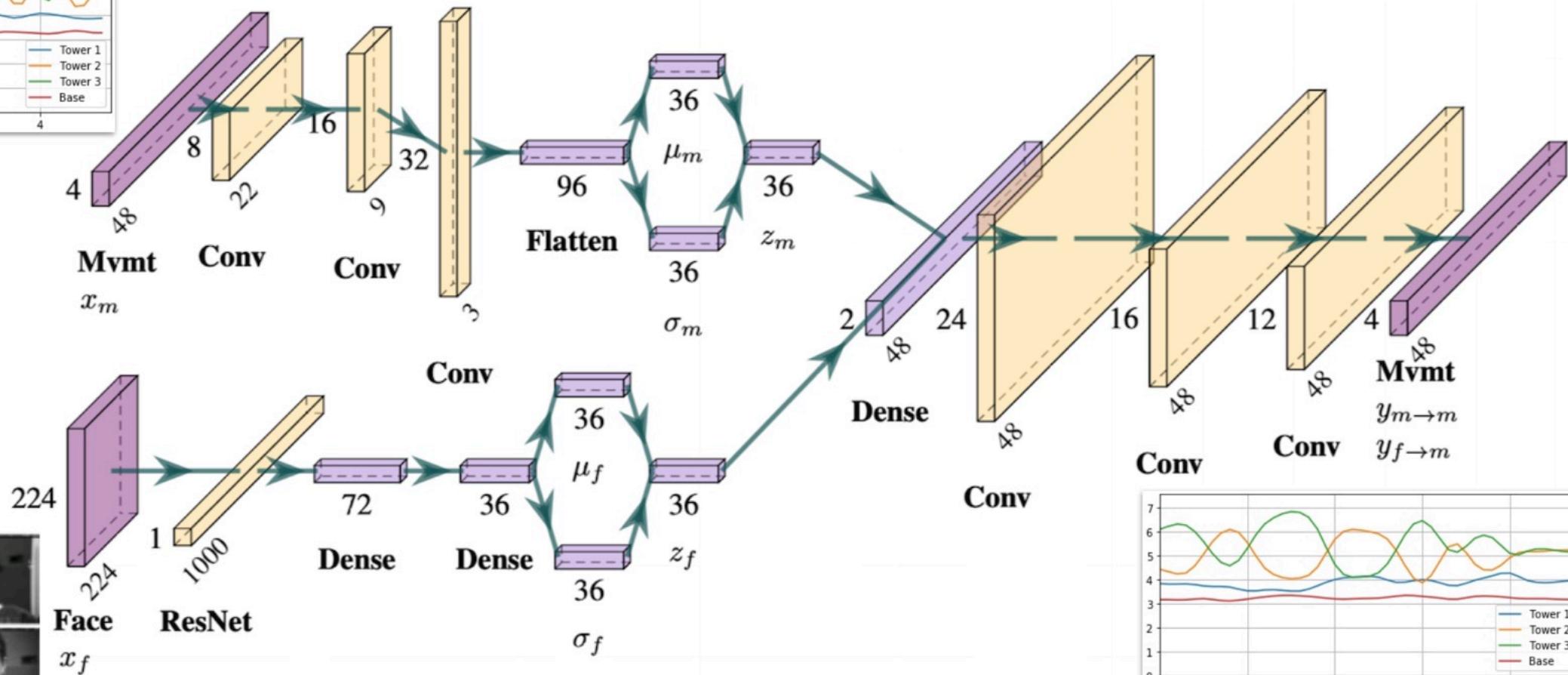
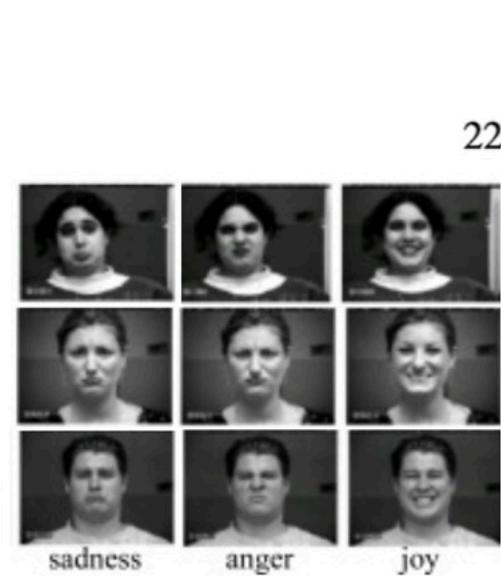
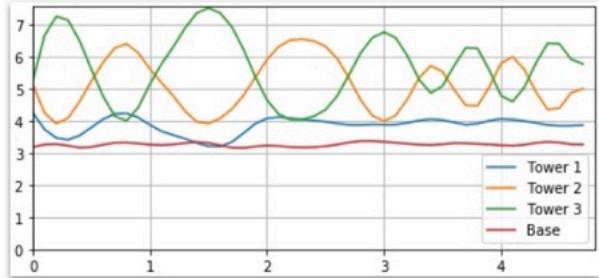


DESIGN





MACHINE LEARNING



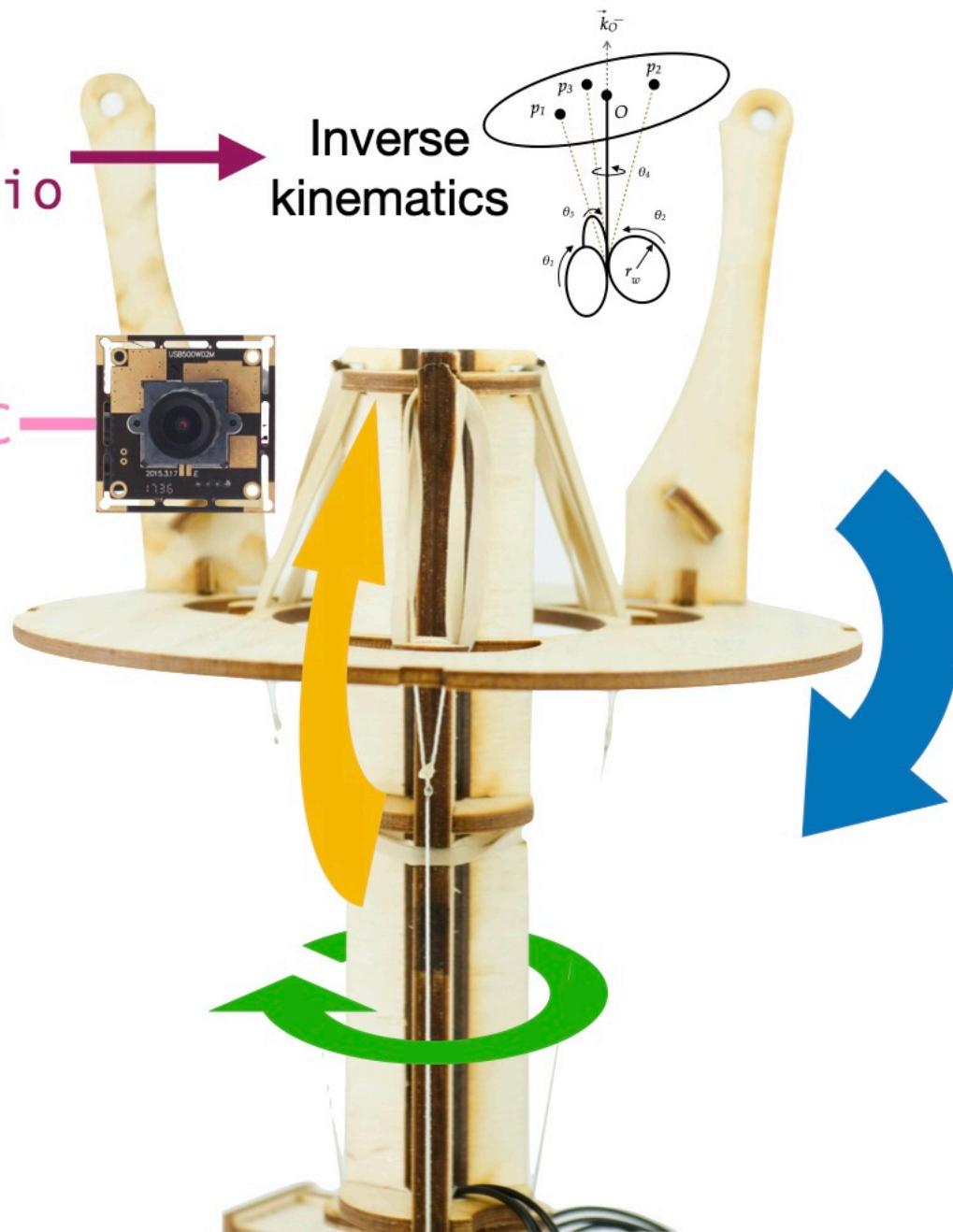
TELEPRESENCE

DeviceOrientation
events

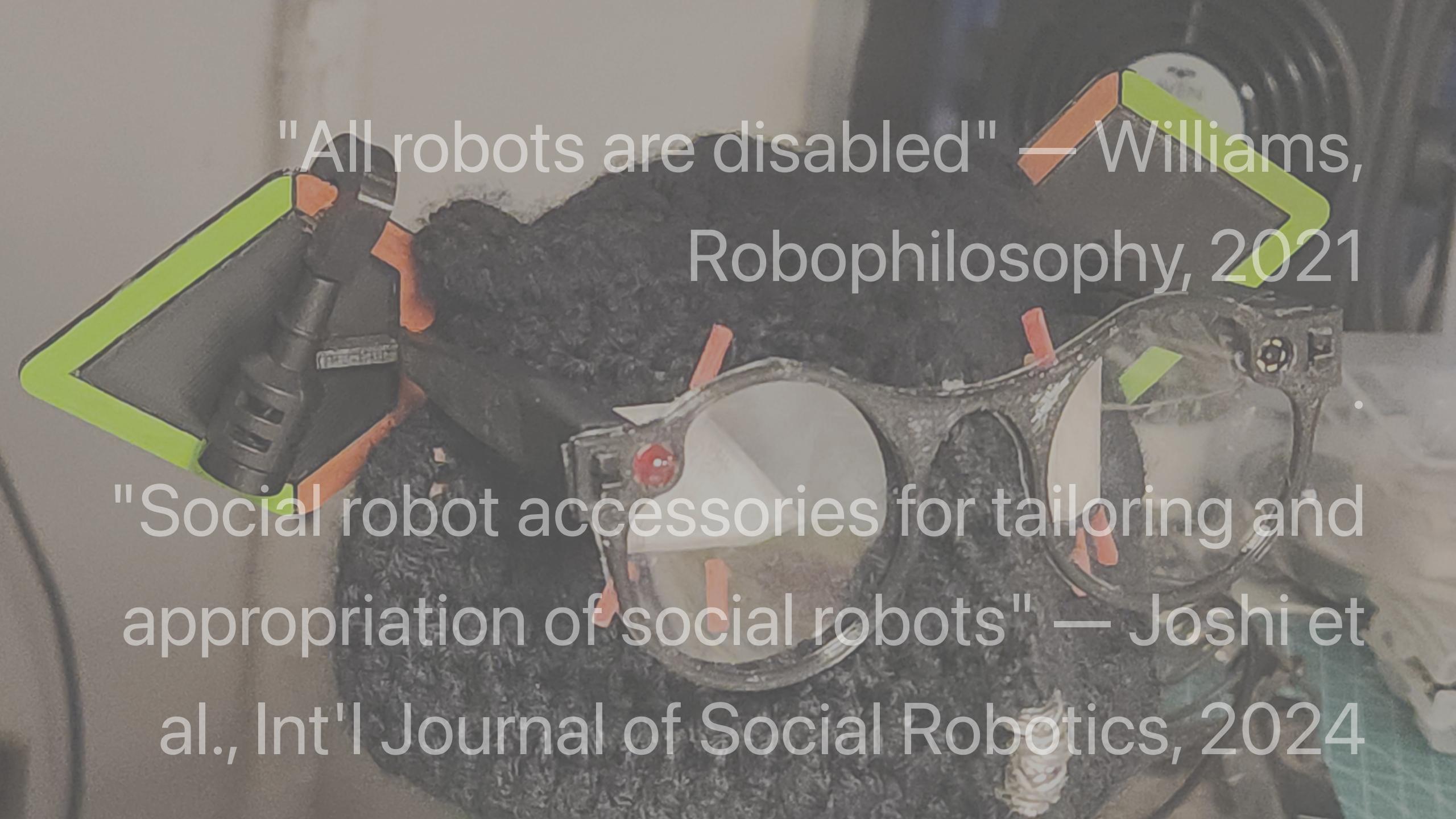


ngrok
socket.io

Inverse
kinematics



ONGOING WORK

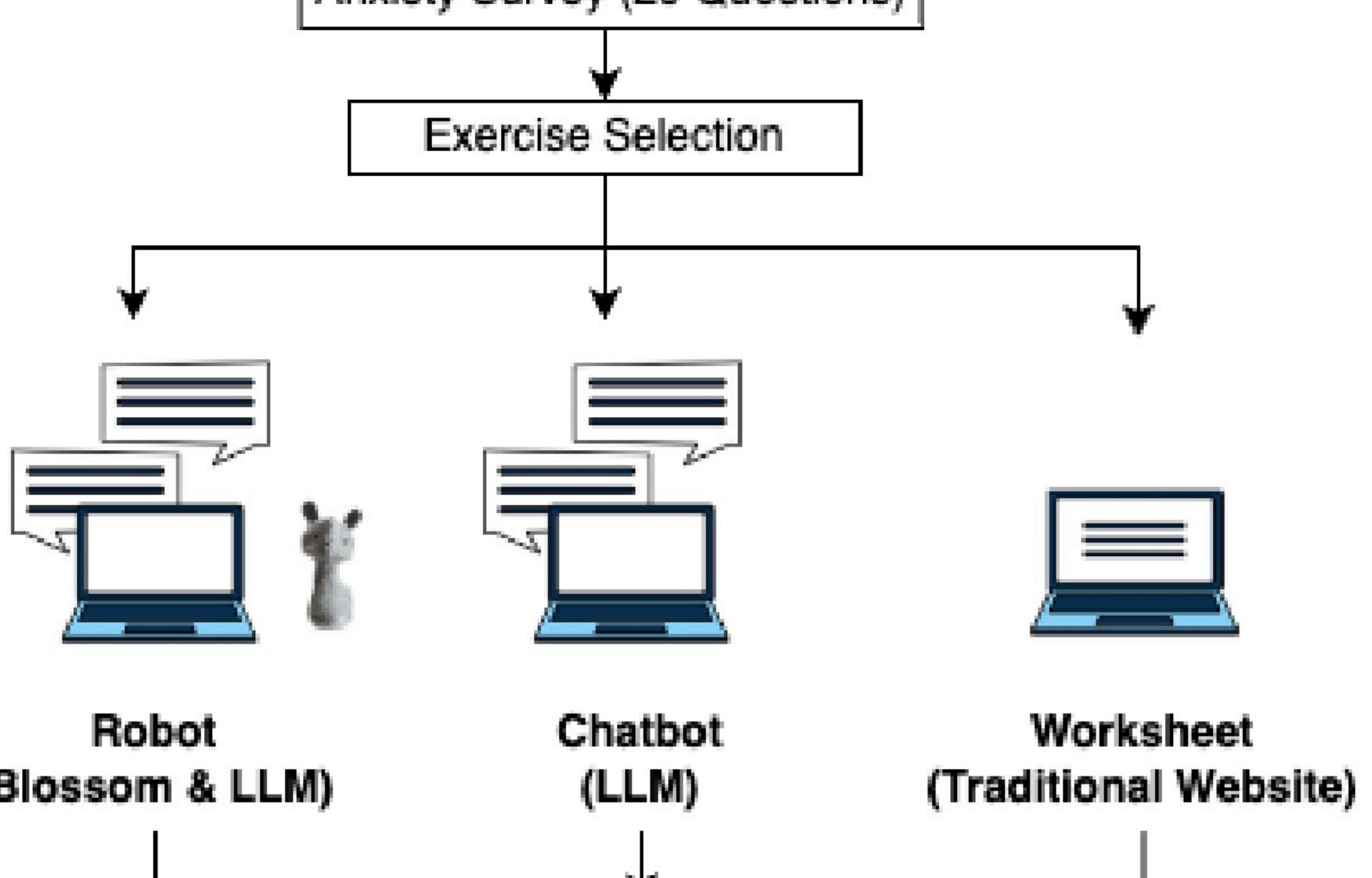


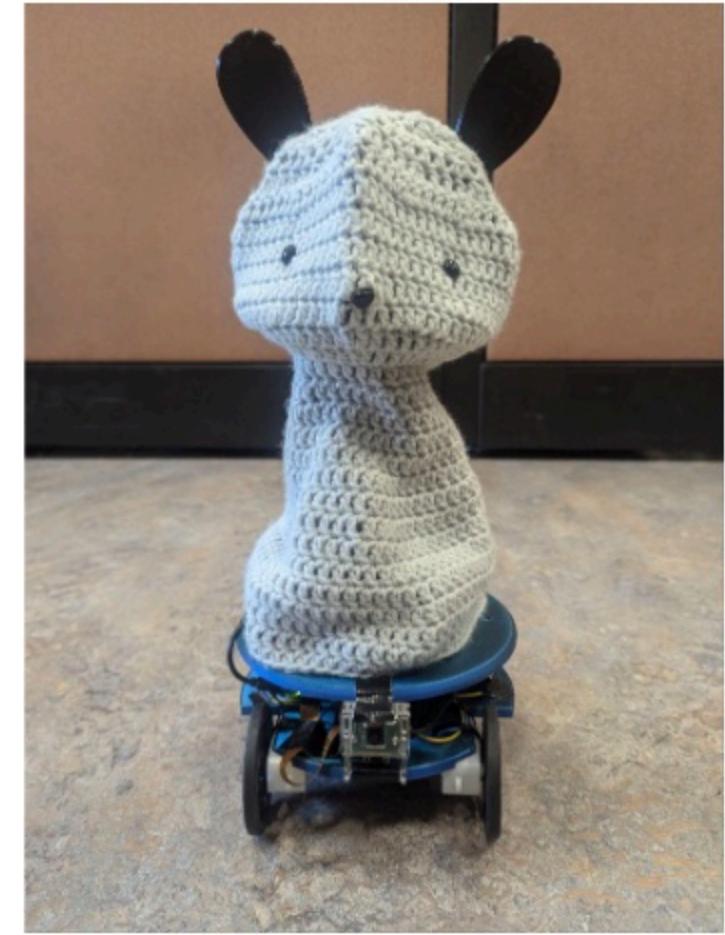
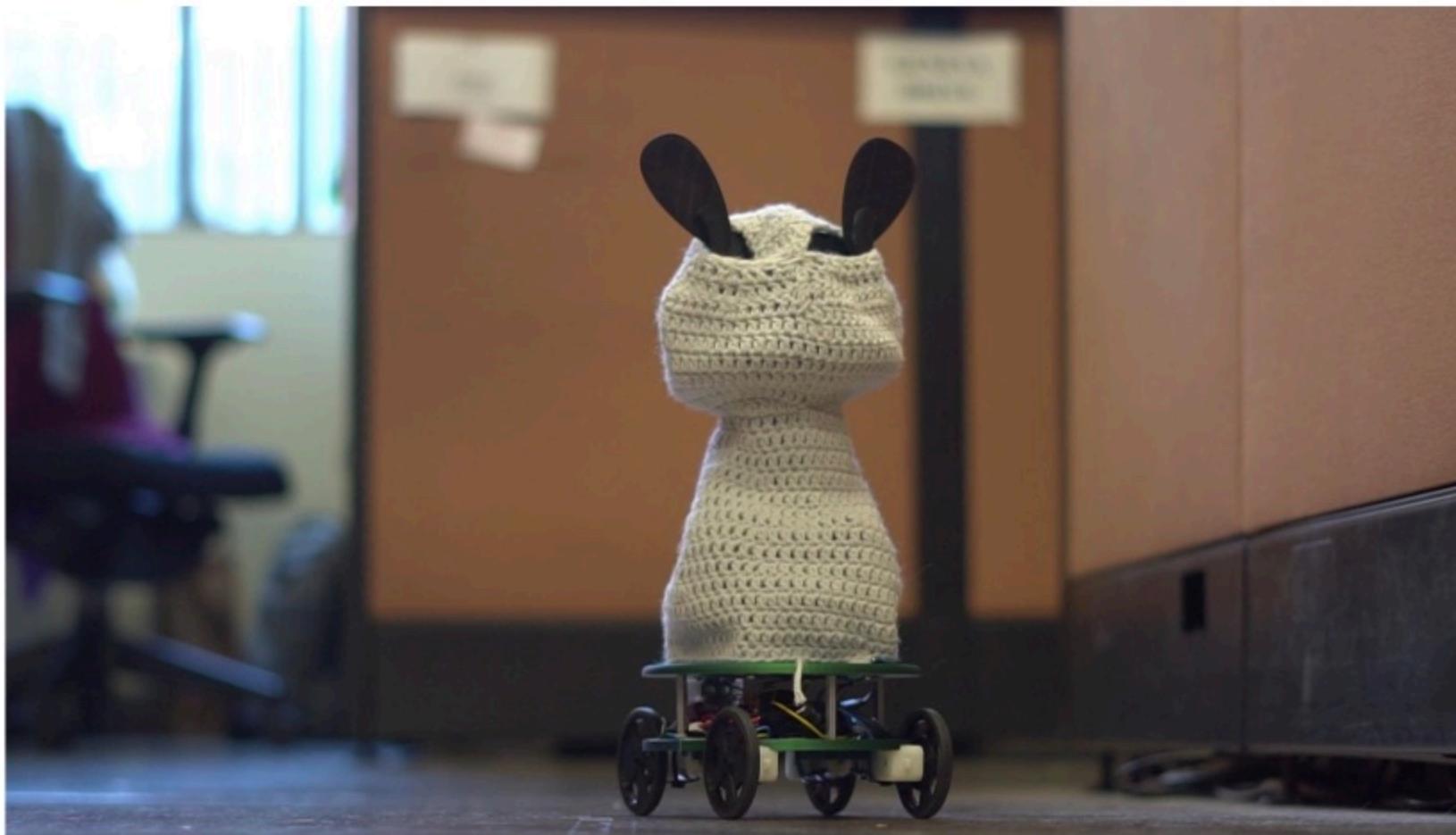
"All robots are disabled" — Williams,
Robophilosophy, 2021

"Social robot accessories for tailoring and
appropriation of social robots" — Joshi et
al., Int'l Journal of Social Robotics, 2024











Baby Onesie



Sewing Pattern A



Sewing Pattern B



Knitted



Crocheted

RAISING ROBOTIC NATIVES

Robotics design
Interactive design
Sofia Dragan,
Julian Schatz,
and Leslie Valiente



Artificial
intelligence
growing up with robots



robo

MESSAGE

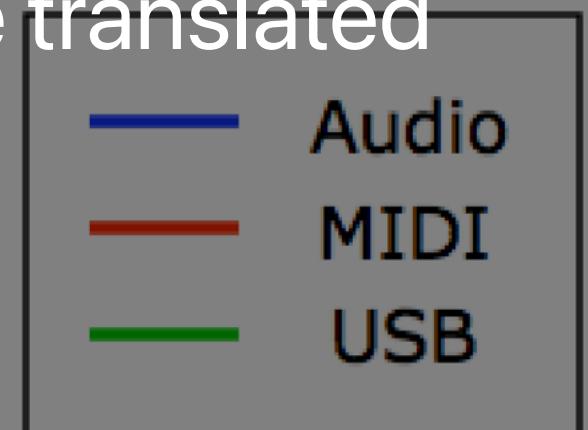
ENCODE

MEDIUM

DECODE

MESSAGE

- aconnect (MIDI routing utility) for anything
- "Jig" for I/O between hard/software; ROS is too heavy
- Python library (`pip install r0b0-io`)
- "Message-oriented" — messages are translated between "gadgets" by "cables"



user

HCI
device

web

phone

gadget 1

gadget
(page)

r0b0

server

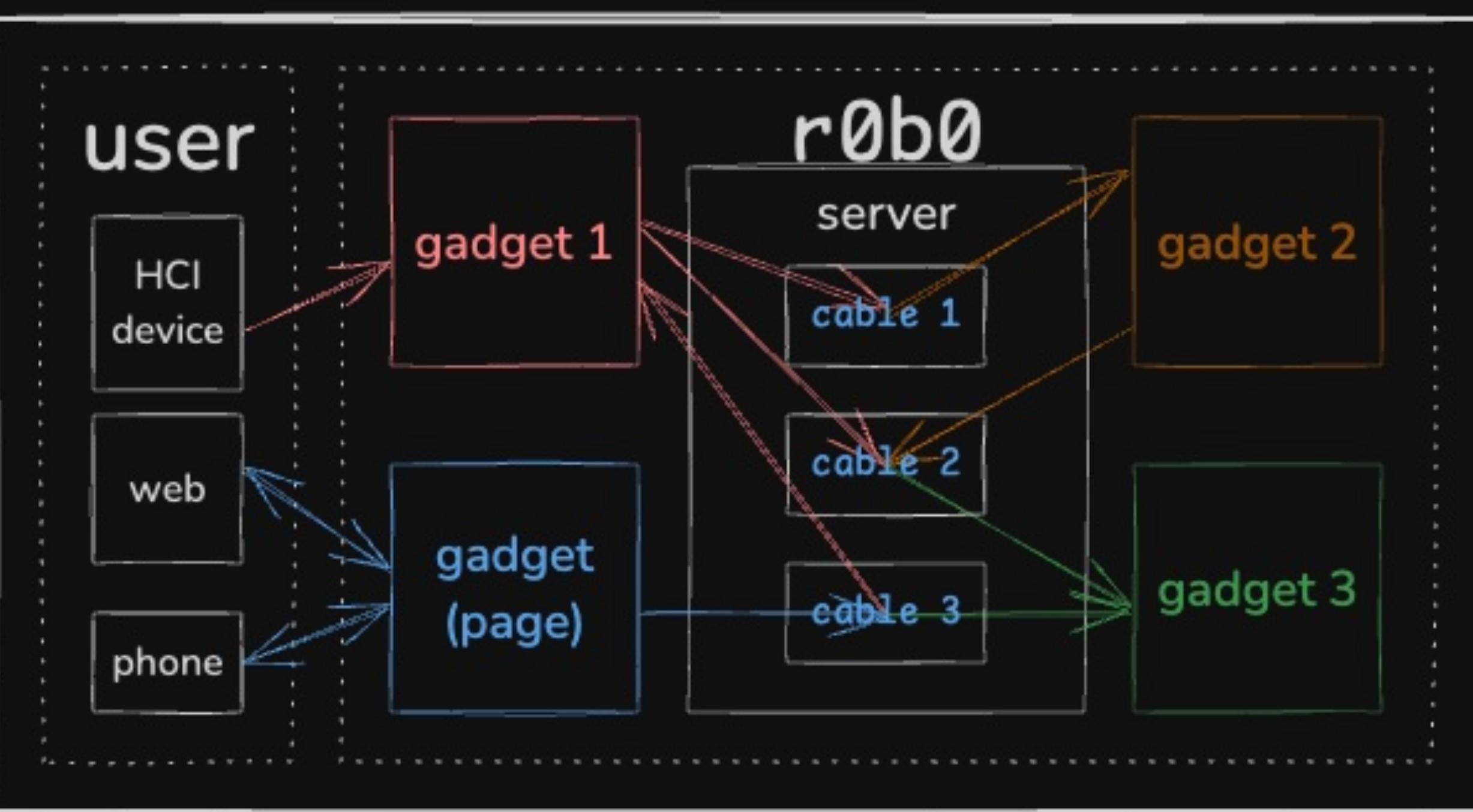
cable 1

cable 2

cable 3

gadget 2

gadget 3



- Keys→mouse
- MIDI→motor
- MPi: buttons→camera sensor

r0b0 repo



"r3se4rCh"

