

“EVERYWHERE = NOWHERE = NOW”

Project & Prototype

CART360
TANGIBLE MEDIA &
PHYSICAL COMPUTING

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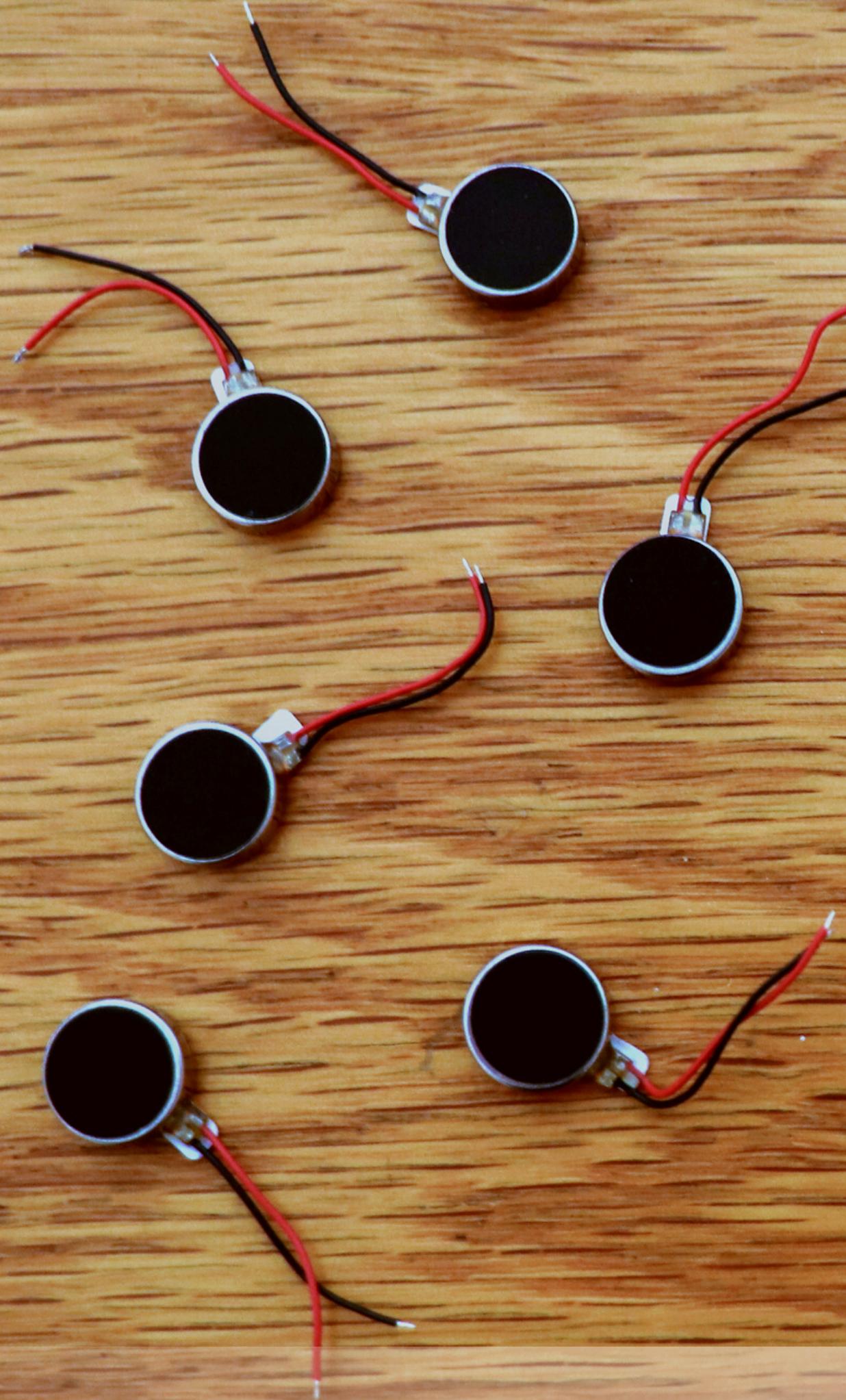
We Start Here



MANA HASHIMOTO

Contemporary Dancer,
Choreographer, Instructor

Developer of blind-low vision accessibilities
in dance theaters



Our Concept

Wearable Artifact (Glove)
providing Tactile Input
and Feedback

Flowchart

**MOVE
RANDOMIZATION**

Arduino randomizes a movement involving one or two limbs

send signal

**TACTILE
INPUT**

Corresponding vibration motor(s) on hand activates()

send signal

**TACTILE
FEEDBACK**

User performs (or not) motion

read signal

**RESET &
REPEAT**

Arduino waits 1 sec before restarting the cycle

User receives tactile input

Accelerometer detects whether motion, if performed at all, is correct

send signal

User receives tactile feedback



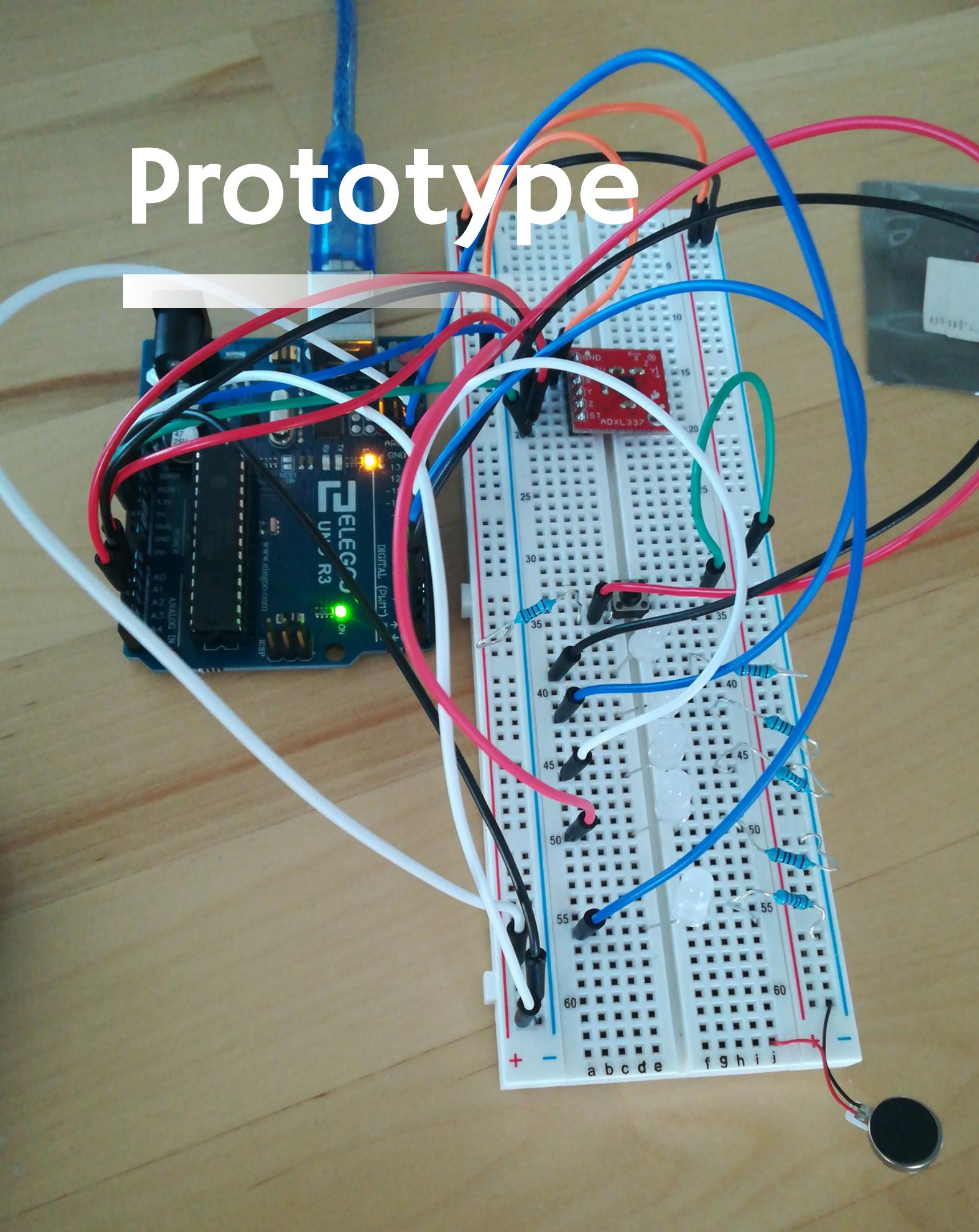
FOUNDATION

Participatory Design

CNIB Quebec

" We deliver innovative programs and powerful advocacy that empower people impacted by blindness to live their dreams and tear down barriers to inclusion. "

Prototype



Code & Progress

Encountered Challenges

Next Steps

