



INNER LIGHT

IDEATION SKETCH

BRENDAN LANE

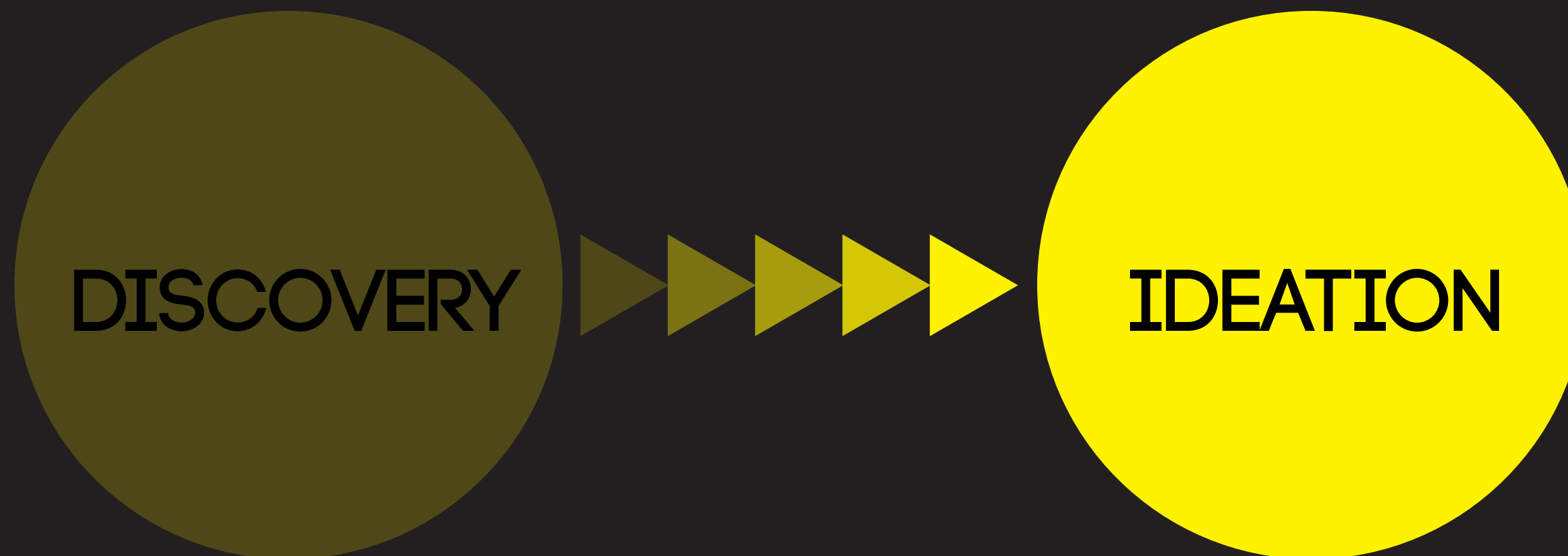
ANDREW TSO

CHRISTIE WONG

KEN CALDER

FROM DISCOVERY TO IDEATION

As we researched different interactive performances and dances, and as we learned about affective computing, we decided that **emotion** and **reality** were topics of interest, and that we could explore them through **art or performance**.



IDEATION SKETCHES

when petted makes
pleasant music



when treated badly
makes noises and screams



when not played with
plays sad drones



LEDs on half the suit
light up based on the
changing environment



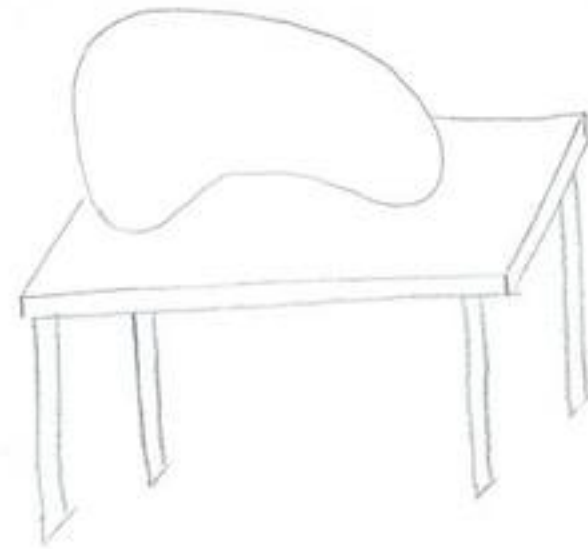
Participant tries to
duplicate output
with gestures



The environment is
constantly changing.
Output cannot be
duplicated



Object that can change into
many shapes



Doesn't change when it
detects people in the room



changes slightly when
no one is looking



IDEA SYNTHESIS

As we sketched and brainstormed, we continued to stumble over the emotive theme of **love** and felt more attuned to the more **musical and performative** aspects of our stream.



LOVE + PERFORMANCE

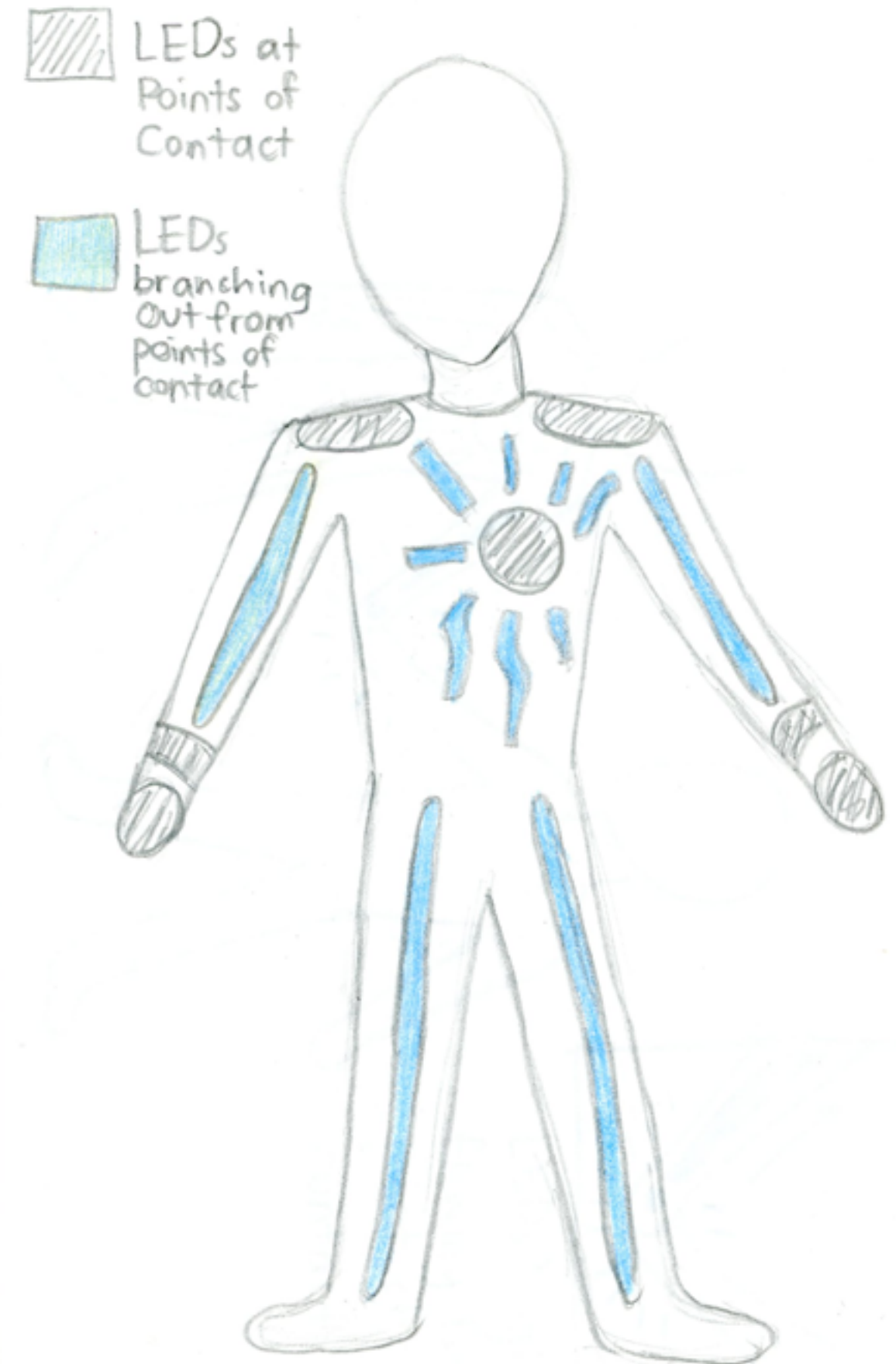
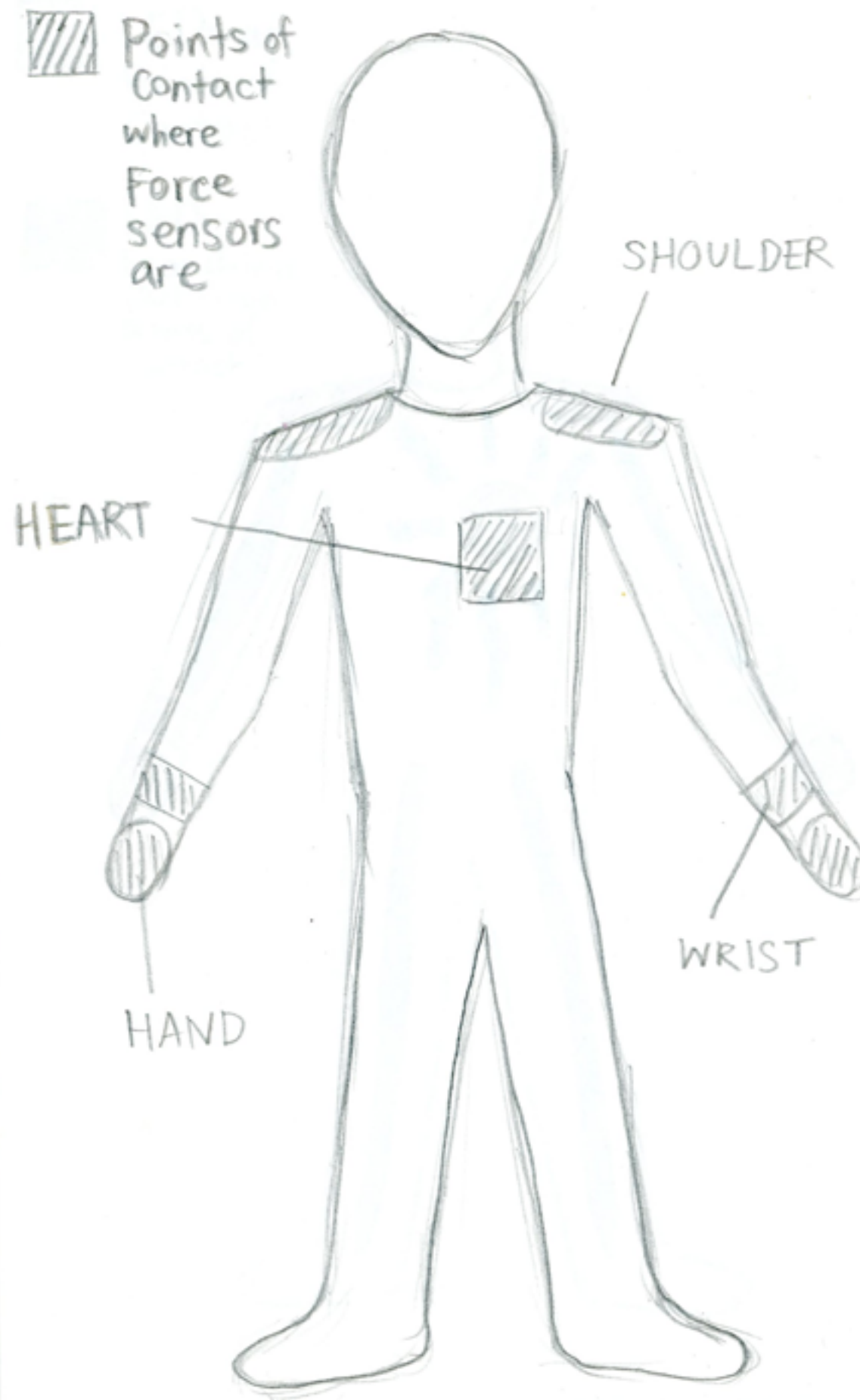
WHAT IS INNER LIGHT?

Inner Light is an explorative, dancelike performance that chronicles the emotional journey of one lonely man as he physically and socially interacts with another human for the very first time.

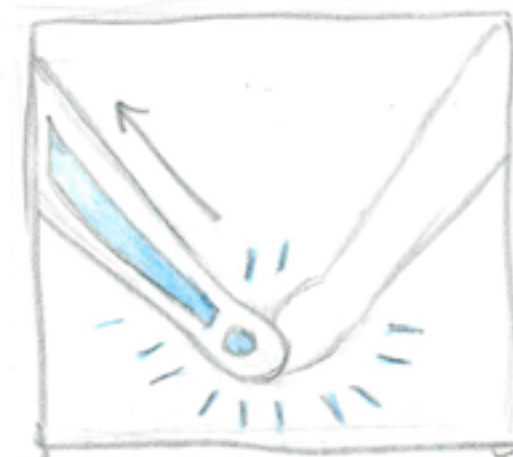
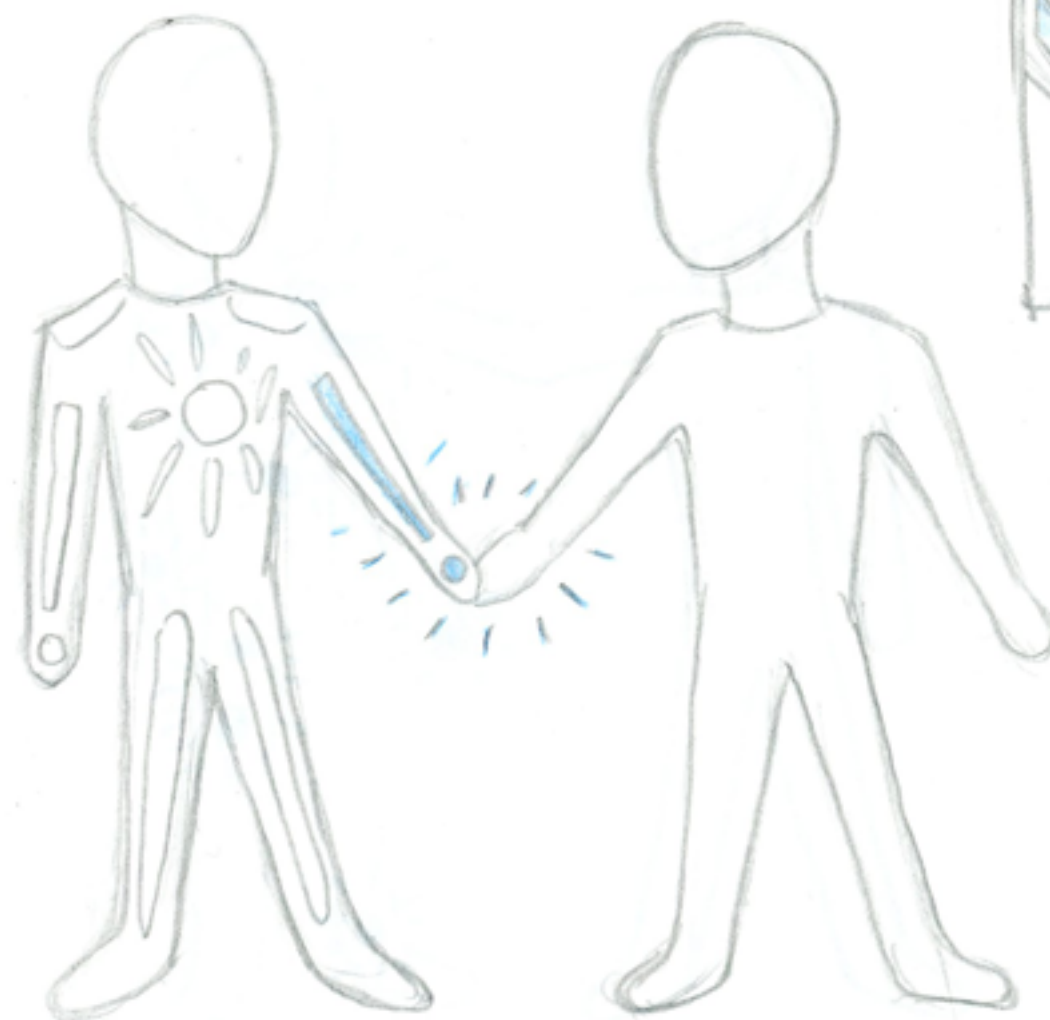


SETUP

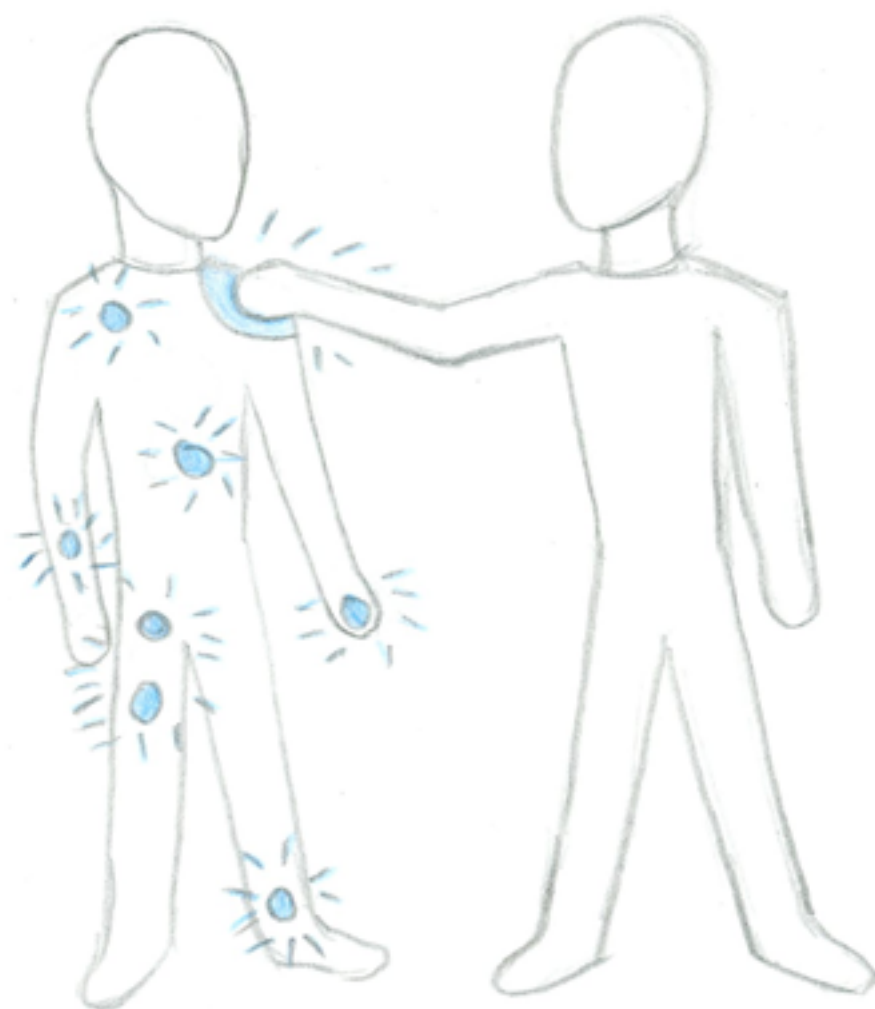
The other human touches various touch points on the lonely man's body to introduce him to physical contact. By altering the duration, intensity, and location of touch, the other human causes the light on the lonely man's body to alter in various ways, representing changes in his emotional state.



INTERACTION MODEL



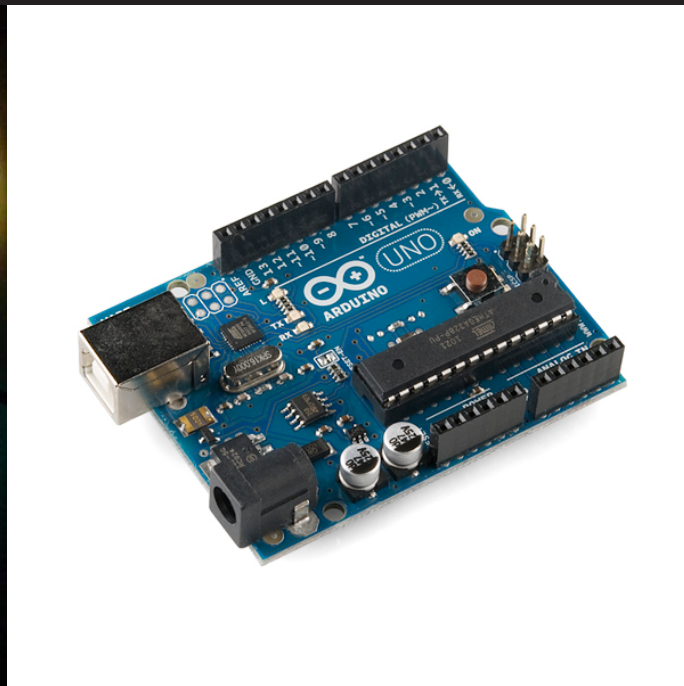
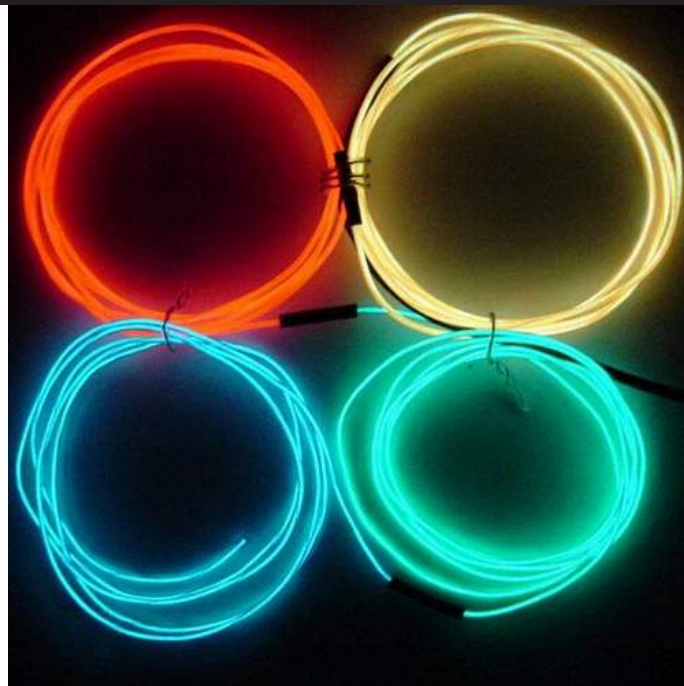
LEDs' light
flowing from
point of
contact



LEDs create
a random
spark effect

THE EQUIPMENT WE NEED

The suit will have force sensors at each of the touch points to detect touch and pressure. The light will be emitted by RGB LED lights and coloured el-wire. Wiring will be done with conductive thread to ensure ease of movement, and the system will be controlled by an Arduino microcontroller in conjunction with Max/MSP or Processing.



WHAT WE NEED TO LEARN

We will need to improve our Arduino coding skills, as well as learn how to utilize Max/MSP. We will also need to develop skills in textiles and sewing, as well as circuitry and how it can be achieved in a wearable form. We will lastly need to gain insight from real dancers and study their movement as we seek to make the performance as poetic and believable as possible.

CODE + **SEWING** + **CIRCUITRY** + **DANCE**



THANK YOU!