

designing desire, wearables

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rainbug, a raincoat for kids

how can we address the desire in children to transform?

intellectual ages of man

_0-5 years the age of WHY _5-10 years the age of WHY NOT _10-75+ years the age of BECAUSE
- DeBono

objective

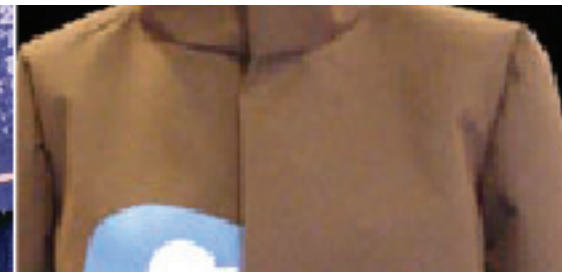
create a raincoat for young children that incorporates the ability to change form and sound through natural gesture



georgia tech vest



levis music jacket



luminescent rain jacket

precedent



sketches/ideation

technology

The rainbug raincoat relies on the natural gesture of the wearer to detect input. [1] Force sensing resistors (FSR) are built into the rainbug rainhat which not only act as a switches to turn audio on or off but also regulate the level of volume. [2] Flex sensors in the shoulders control which musical notes are being played and also act as dimmers for the [3] LED's that are in the coat sleeves.



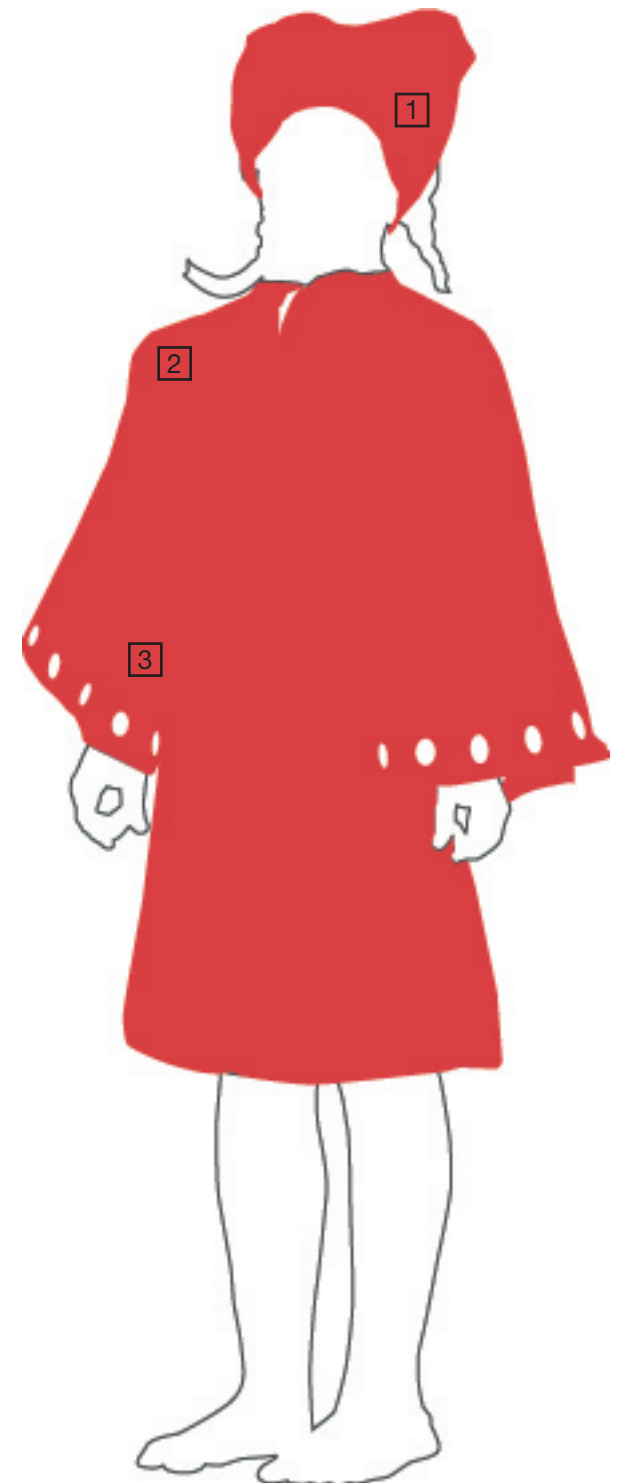
force sensing resistor



flex sensor

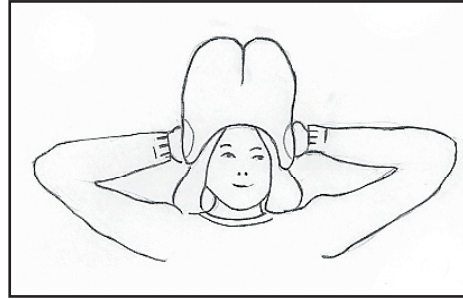


L.E.D.

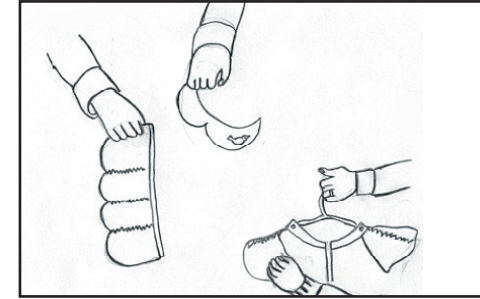




Ninja, a six-year old girl attending first-grade, looks out the window of her bedroom and sees a steady drizzle in the grey darkness of early morning.

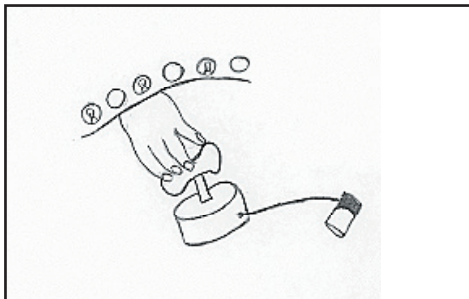


She puts on her rain-hat, gently presses the hat's ear phones into her ears and then cups her hand to her ears - she hears the sound of rain she had previously recorded.

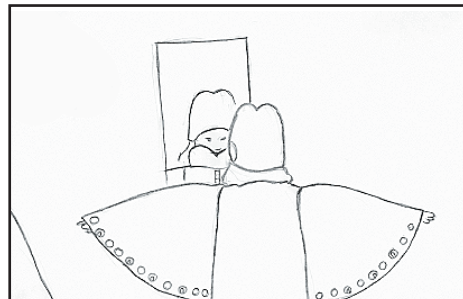


Her mom puts the red collar aside and hands Ninja the yellow collar along with the raincoat. Ninja buttons the yellow collar onto her raincoat making sure to snap in the gold sound connector.

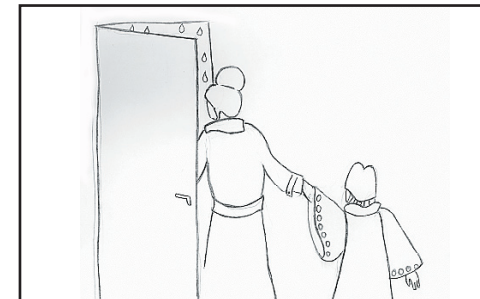
scenario



Ninja pulls out her jacket's wind-up battery charger from her drawer and connects it to her jacket then proceeds to turn the battery charger until the jackets battery light glows green.



Slowly raising her arms out from her sides, activating the LED's on her raincoat's sleeves, Ninja also hearing the scales of a guitar in the earphones built into the rainhat.



Smiling to herself in the mirror and then to her mom Ninja say's "Let's go!" and skips out the front door into the dark grey morning.

prototype

