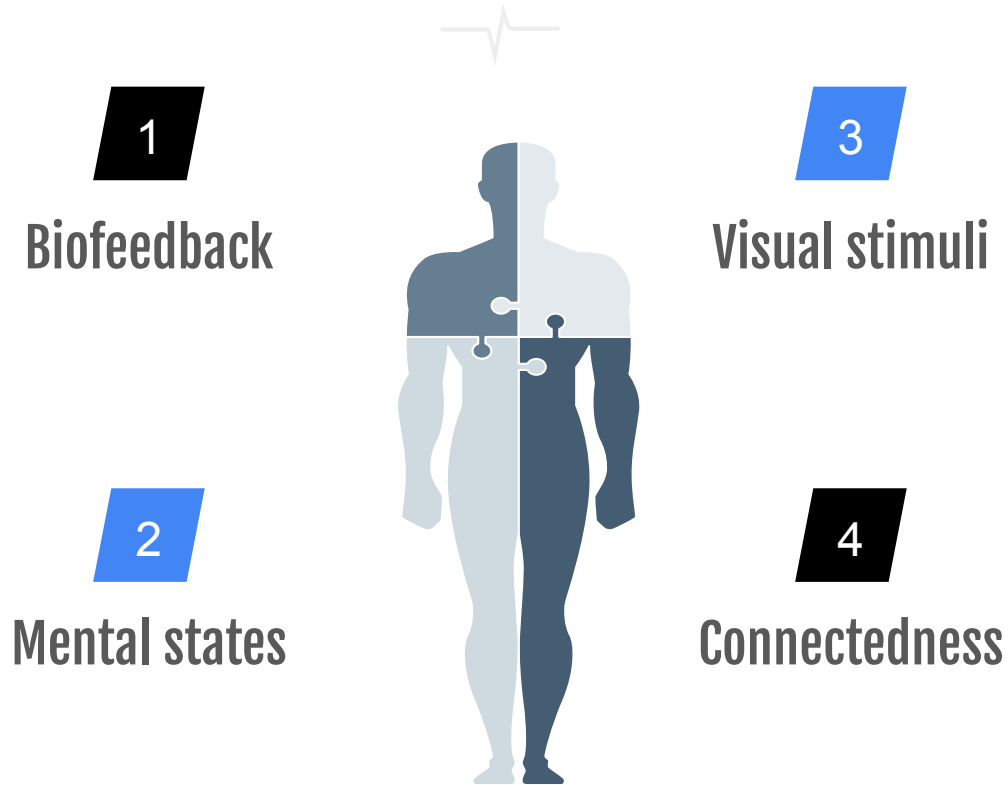


WE SYNC

An Arduino Collaboration
By Oran & Jeremy



INSPIRATION



Iteration

1

Brain-Computer Interface

EEG feedback from the Emotiv Insight



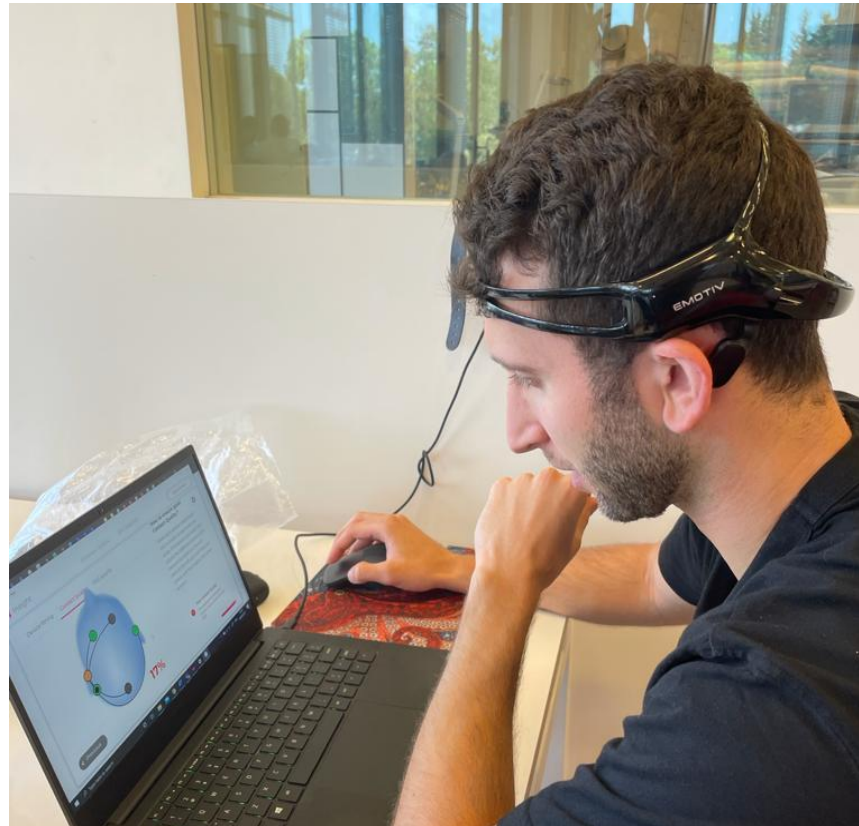
Iteration

2

Pulse sensor

BPM retrieved from detected heartbeat





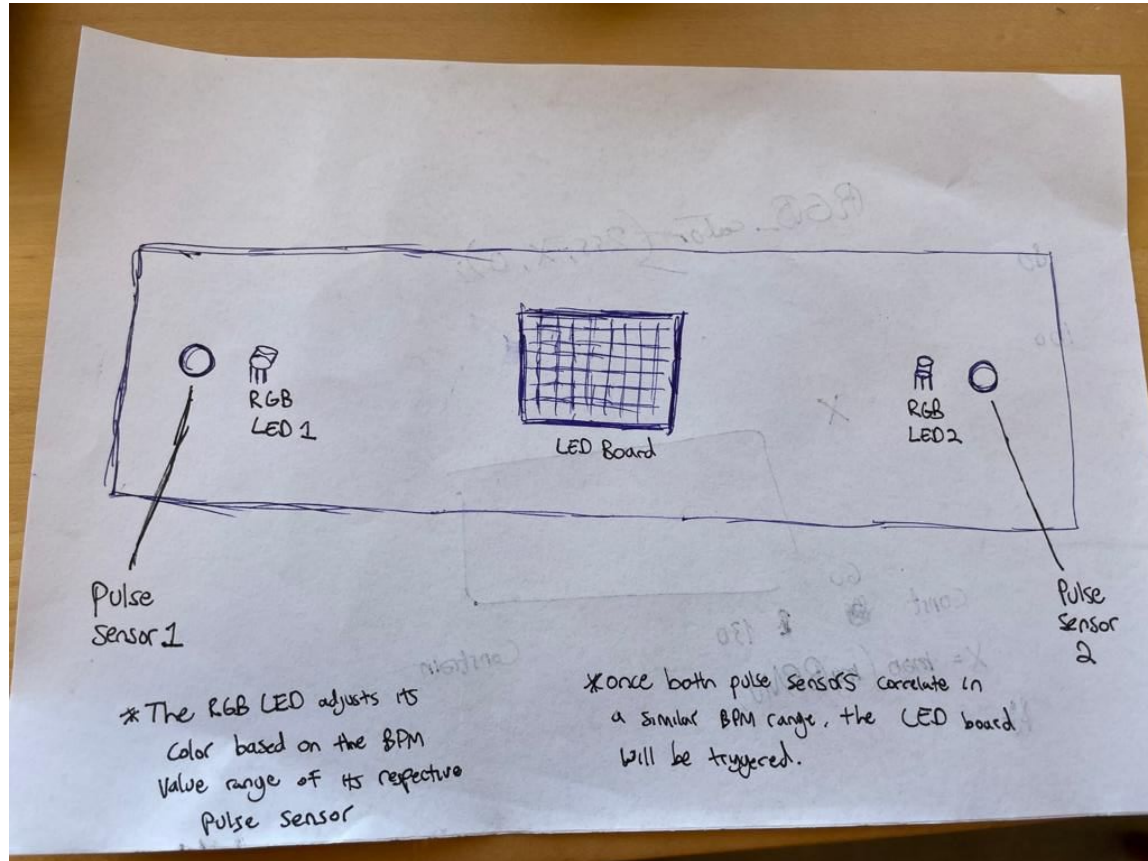
EEG feedback was unreliable

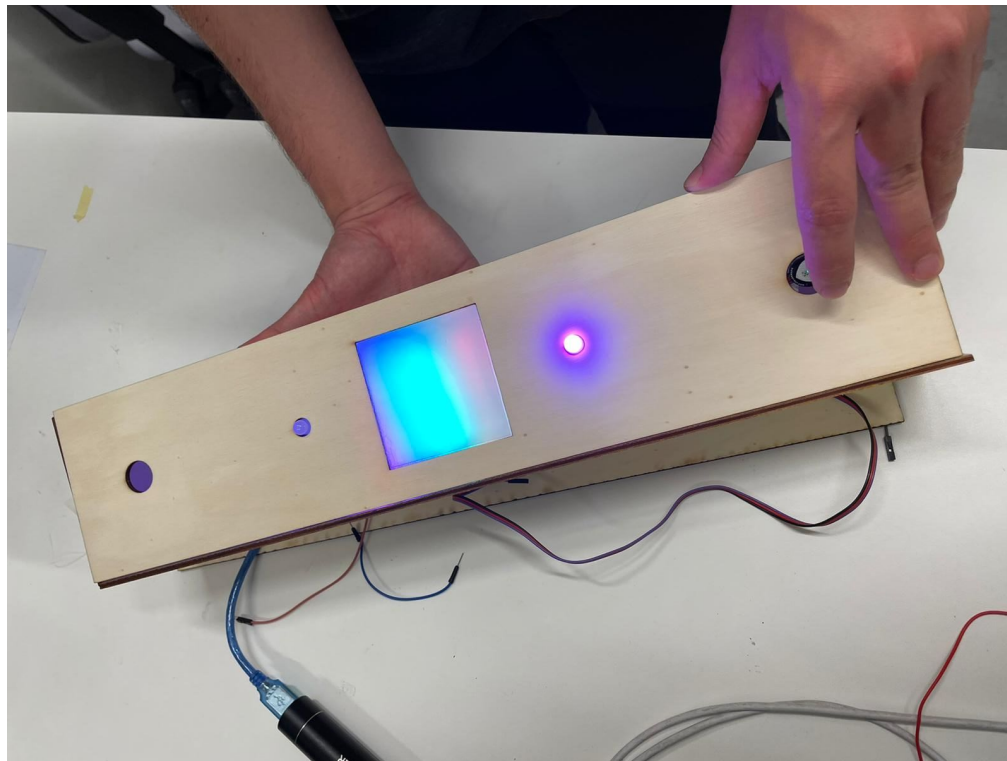


HEART PULSE SENSOR

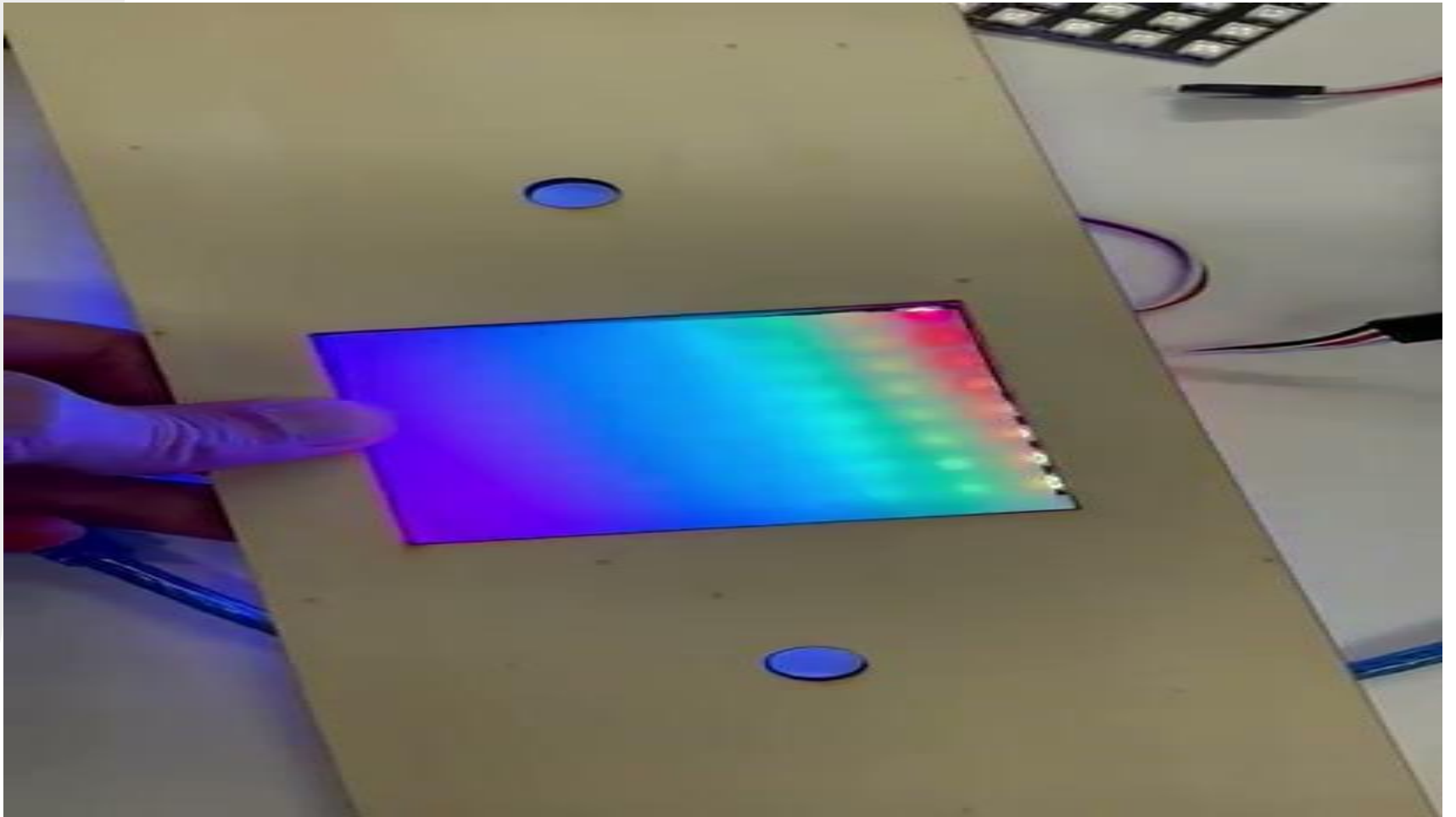


PAPER PROTOTYPE





Dimensions were off
Code to be improved



Iteration

3

WeSync

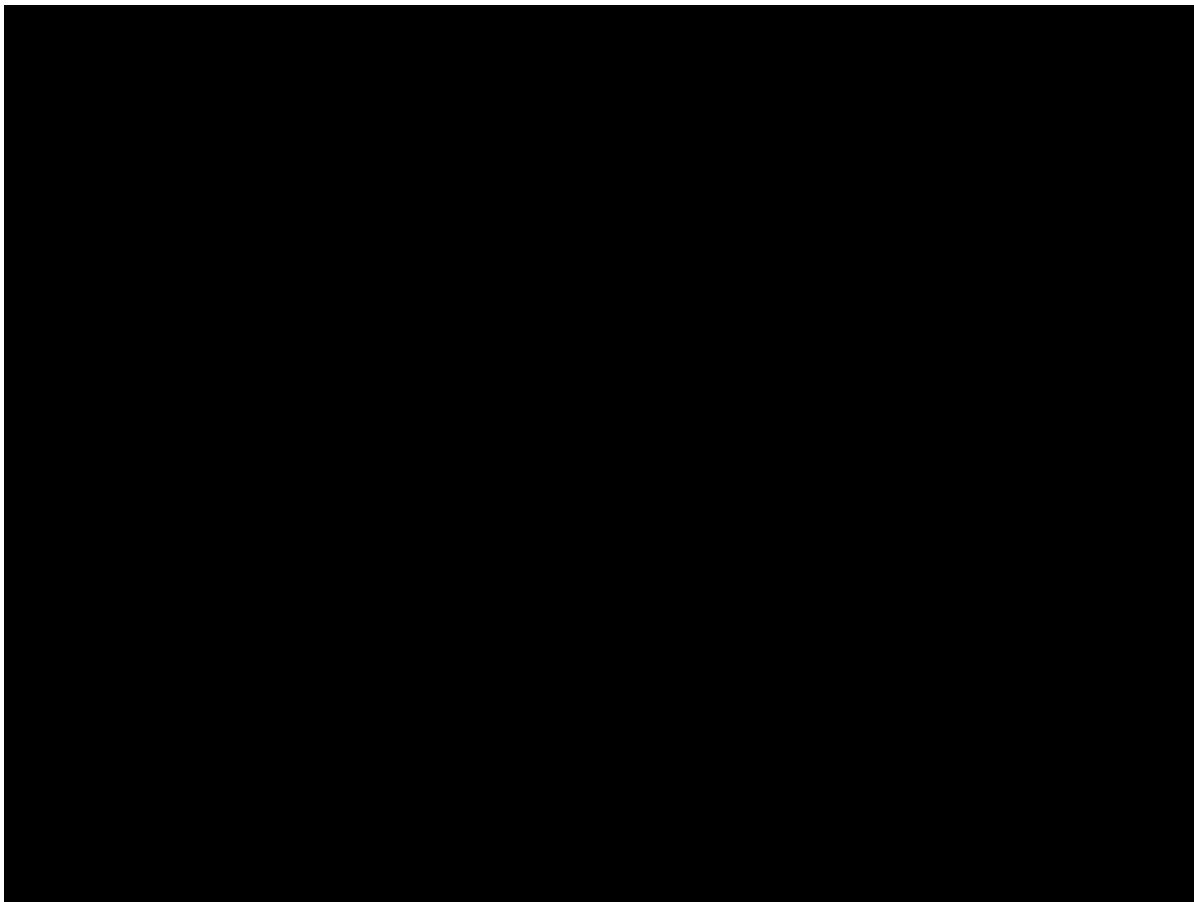
Synced heartbeats displaying LED array



WESYNC



A SYNCHRONIZED SURPRISE



FUTURE WORK



ENHANCED CODE

Additional senses
engaged

New light
sequences

IMPROVED DESIGN

External power
with switch

Aesthetic light
improvements

The image features a central white area with two grey triangular shapes pointing towards each other from the left and right sides. A blue ECG line is overlaid on the white area, with one pulse on the left and one on the right. The text "THANKS" is centered in the white area in a large, bold, black, sans-serif font.

THANKS

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