

次のレベル
成功する未来

YU CHENG

× 2022

Portfolio

のレベル

Vision-driven change agent with a career-long record of UX/UI design, problem-solving, and team collaboration success for leading global organizations

YU CHENG

WORK EXPERIENCE

Freelance Designer
UX Designer and Researcher - Taimei Techconol
UX and VUI Designer - Midea Group
Product Designer - Black Dragonfly

EDCATION

Freelance Designer
Mdes - University of California, Berkeley
Product Design - Hubei University of Technology

SKILLS

Rapid Prototyping	Statistical Analysis
Style Guides & Pattern Library	Data Analysis
Wireframing	A/B Testing & Experiment
Concept Sketches	Cafe & Diary Study
Data Visualization	Cognitive Walkthrough



YU CHENG

CONTENT

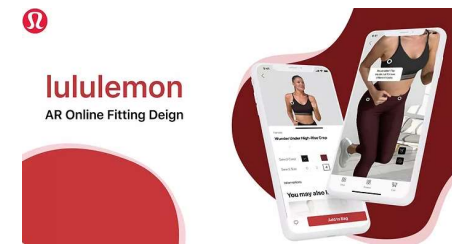
Design.01

Remi



Design.02

Lululemon VR try-on



Design.03

Gaze through the Second Sex



Design.04

SOMA



2022



Part. 01

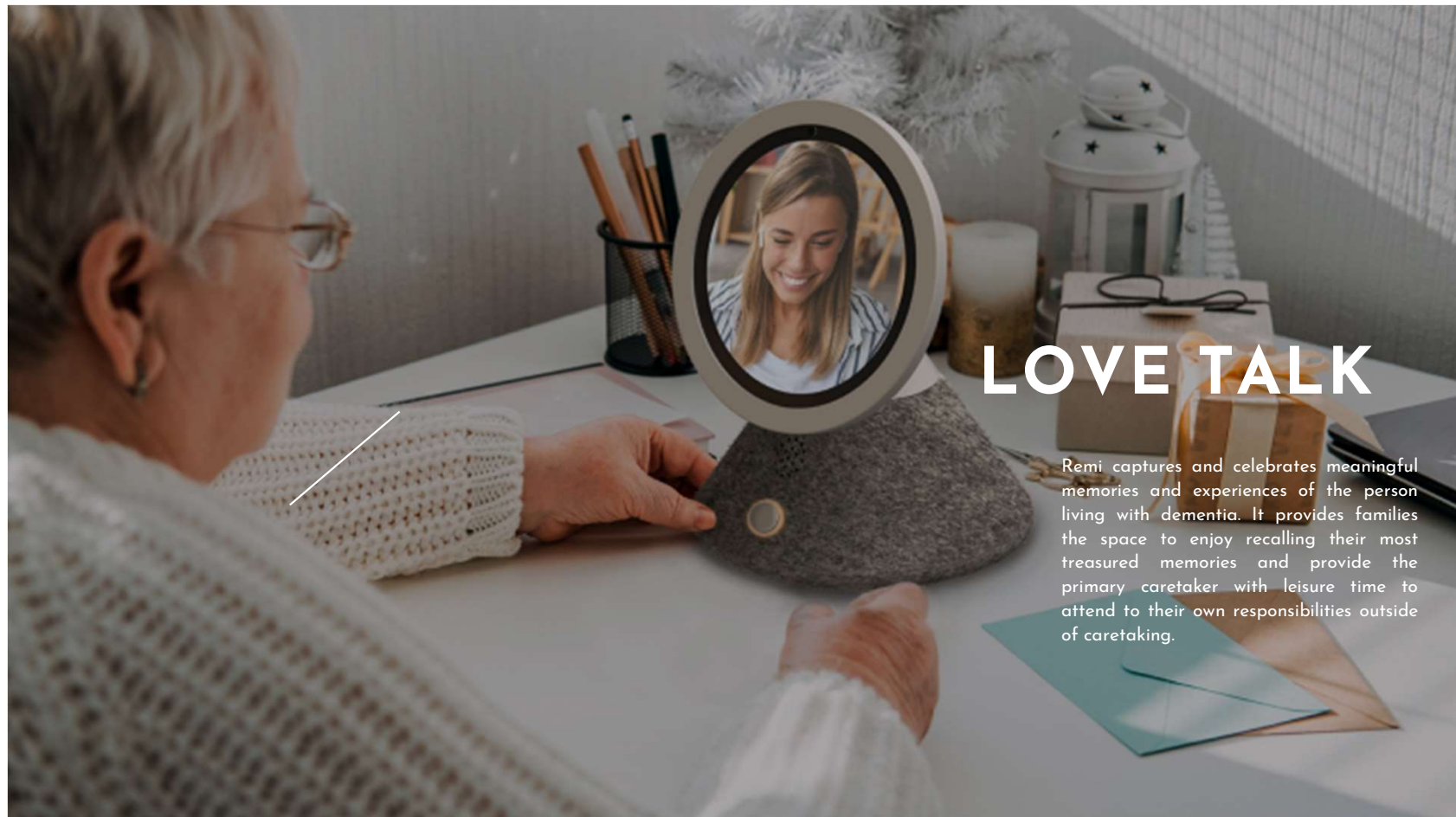
Remembering life, people and events in it is therapeutic for persons fighting the neurodegeneration of dementia

REMI

Remi is a physical device accompanied by a mobile application that engages with the elderly in their leisure time by being an active listener and providing intelligent company. Remi creates a healthy routine by playing voice prompts of meaningful memories recorded by the user's family and loved ones.

WORK FLOW & TECH





LOVE TALK

Remi captures and celebrates meaningful memories and experiences of the person living with dementia. It provides families the space to enjoy recalling their most treasured memories and provide the primary caretaker with leisure time to attend to their own responsibilities outside of caretaking.

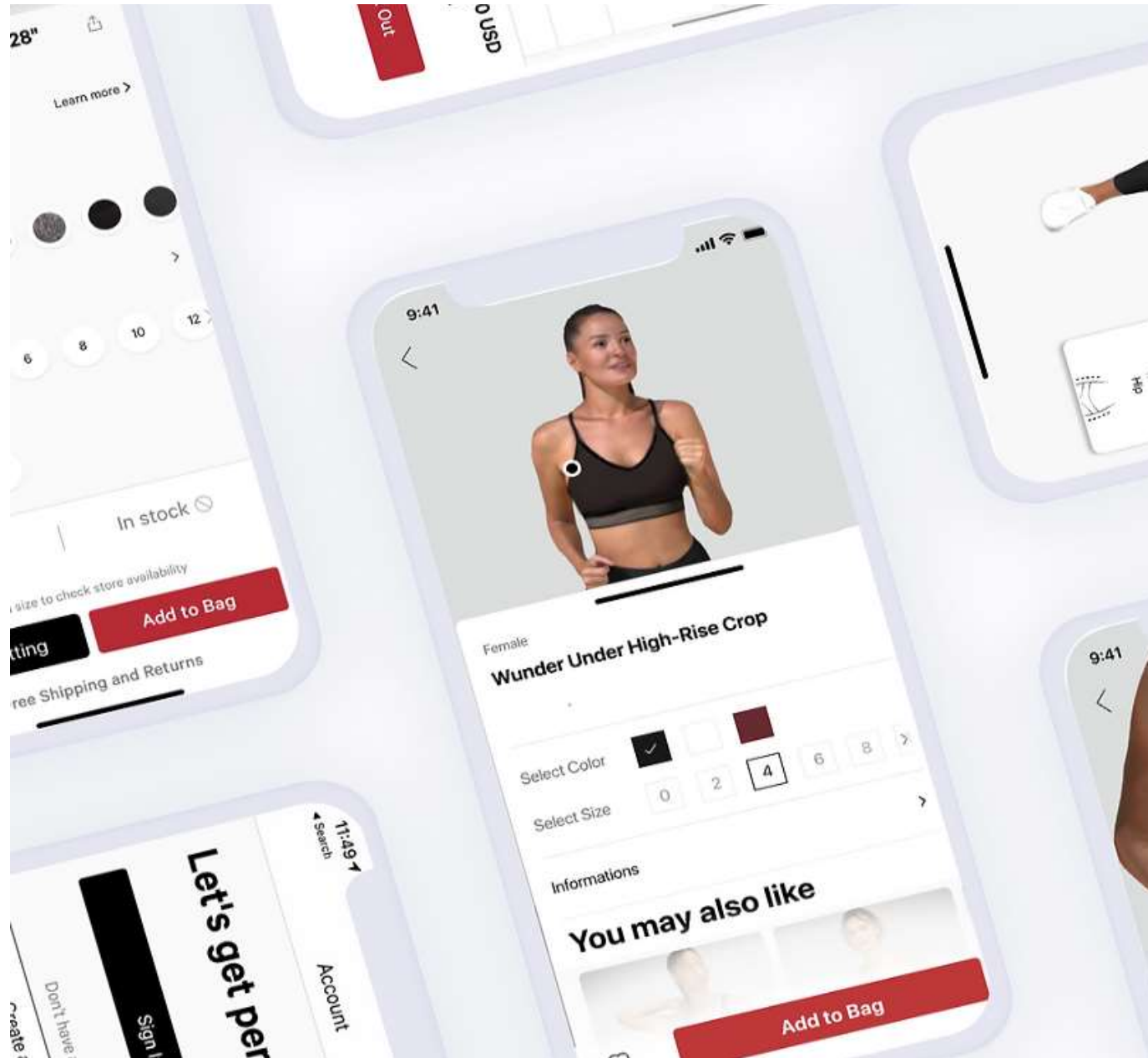
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Part. 02

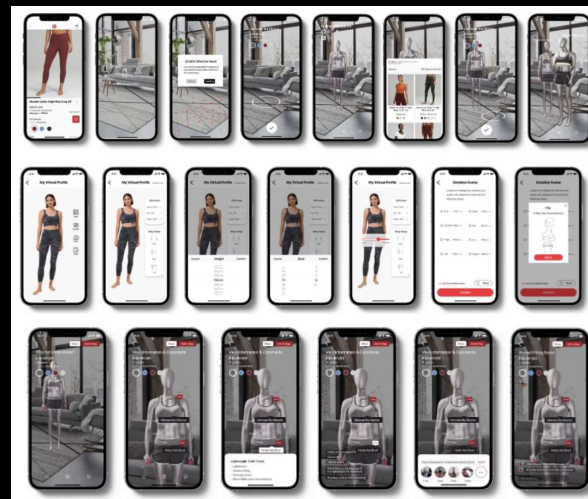
A NEW WAY TO SHOP

LULULEMON

With the rising cost of labor, rent and the prevalence of covid-19, online shopping has become increasingly popular. However, online clothing shopping often faces many challenges. For example, the clothes size is not suitable, the wearing effect is unimaginable, the return rate is high, etc.



Age	Stage	Topic	Quality	Gender	Recommendations
12-15 years	Early adolescence	Self-identity and self-esteem	Self-identity and self-esteem	Self-identity and self-esteem	Self-identity and self-esteem
16-18 years	Mid adolescence	Peer relationships and social skills	Peer relationships and social skills	Peer relationships and social skills	Peer relationships and social skills
19-24 years	Late adolescence	Sexual health and reproductive choices	Sexual health and reproductive choices	Sexual health and reproductive choices	Sexual health and reproductive choices
25-34 years	Young adulthood	Financial literacy and career development	Financial literacy and career development	Financial literacy and career development	Financial literacy and career development
35-44 years	Early adulthood	Parenting and family roles	Parenting and family roles	Parenting and family roles	Parenting and family roles
45-54 years	Mid adulthood	Health and wellness	Health and wellness	Health and wellness	Health and wellness
55-64 years	Late adulthood	Retirement and aging	Retirement and aging	Retirement and aging	Retirement and aging
65+ years	Older adulthood	Long-term care and end-of-life planning	Long-term care and end-of-life planning	Long-term care and end-of-life planning	Long-term care and end-of-life planning



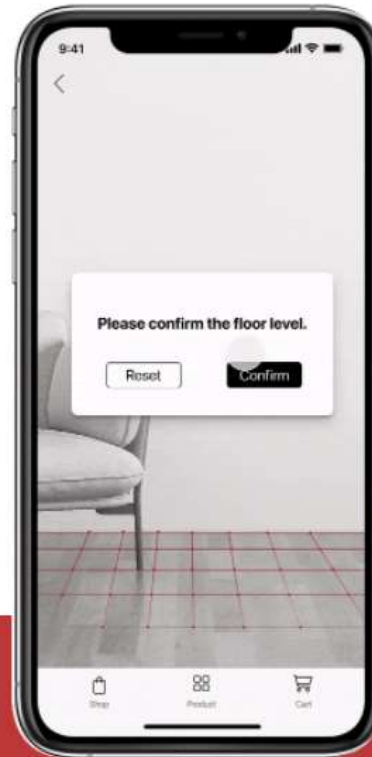
Far far away, behind the word mountains,
far from the countries Vokalia and
Consonantia, there live the blind texts.
Separated they live in Bookmarksgrove
right at the coast of the Semantics, a large
language ocean.



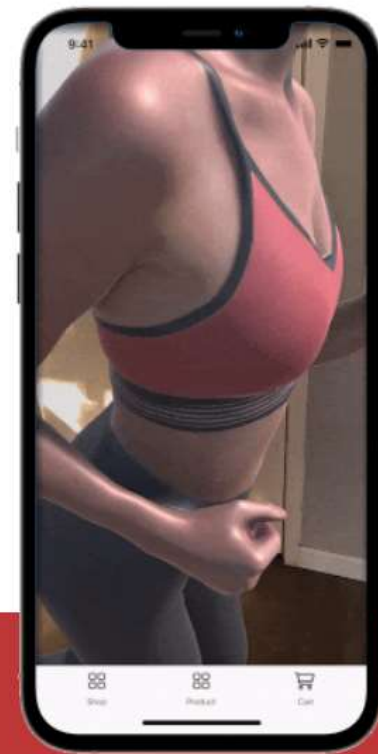
Input Body Data



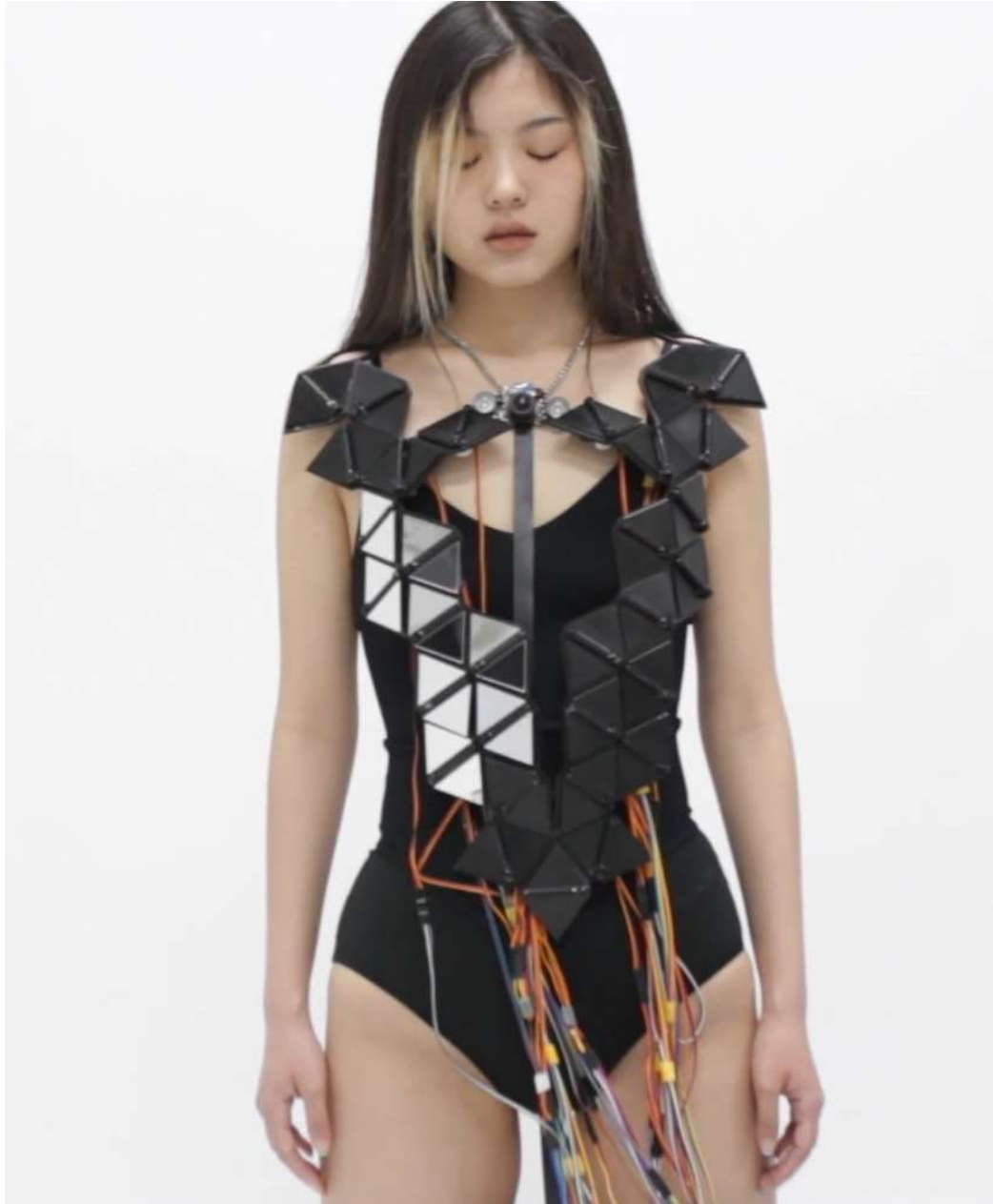
Adjust Body Shape



Scan Environment



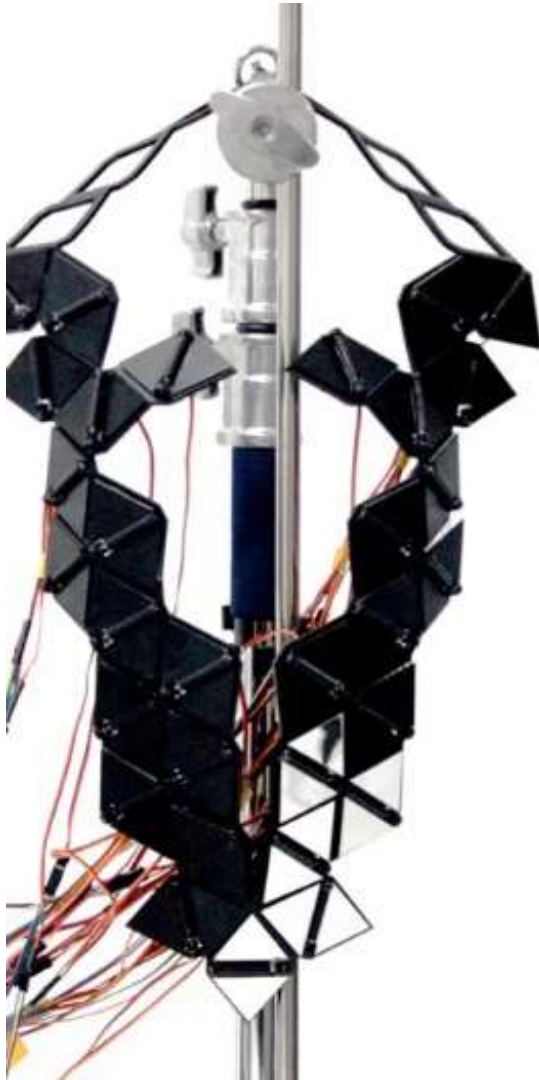
Place AR Model



Part. 03

Gaze Through The Second Sex

QAZE THROUGH THE SECOND SEX is a corset consisting responsive modules that flip to reflect the gaze of the audience. It questions the power dynamics between the one who gazes and one who is being gazed by applying an eye tracking interface. Where an observer is approaching and gazing the one who wears the corset, their eyeball direction will be captured, the corresponding components on the body will be flipped to the mirror to reflect their eyes



OVERVIEW

GAZE THROUGH THE SECOND SEX is a corset consisting responsive modules that flip to reflect the gaze of the audience. It questions the power dynamics between the one who gazes and the one who is being gazed by applying an eye-tracking interface. When an observer is approaching and gazing the one who wears the corset, their eyeball direction will be captured, the corresponding components on the body will be flipped to mirrors to reflect their eyes.



gazer



the gazed



Eye-tracking camera



Raspberry Pi Control



Module Behavior

SPECIAL THANKS

Rice Ma, Sean Yan, Xiwen Su, Xinghai Zhao

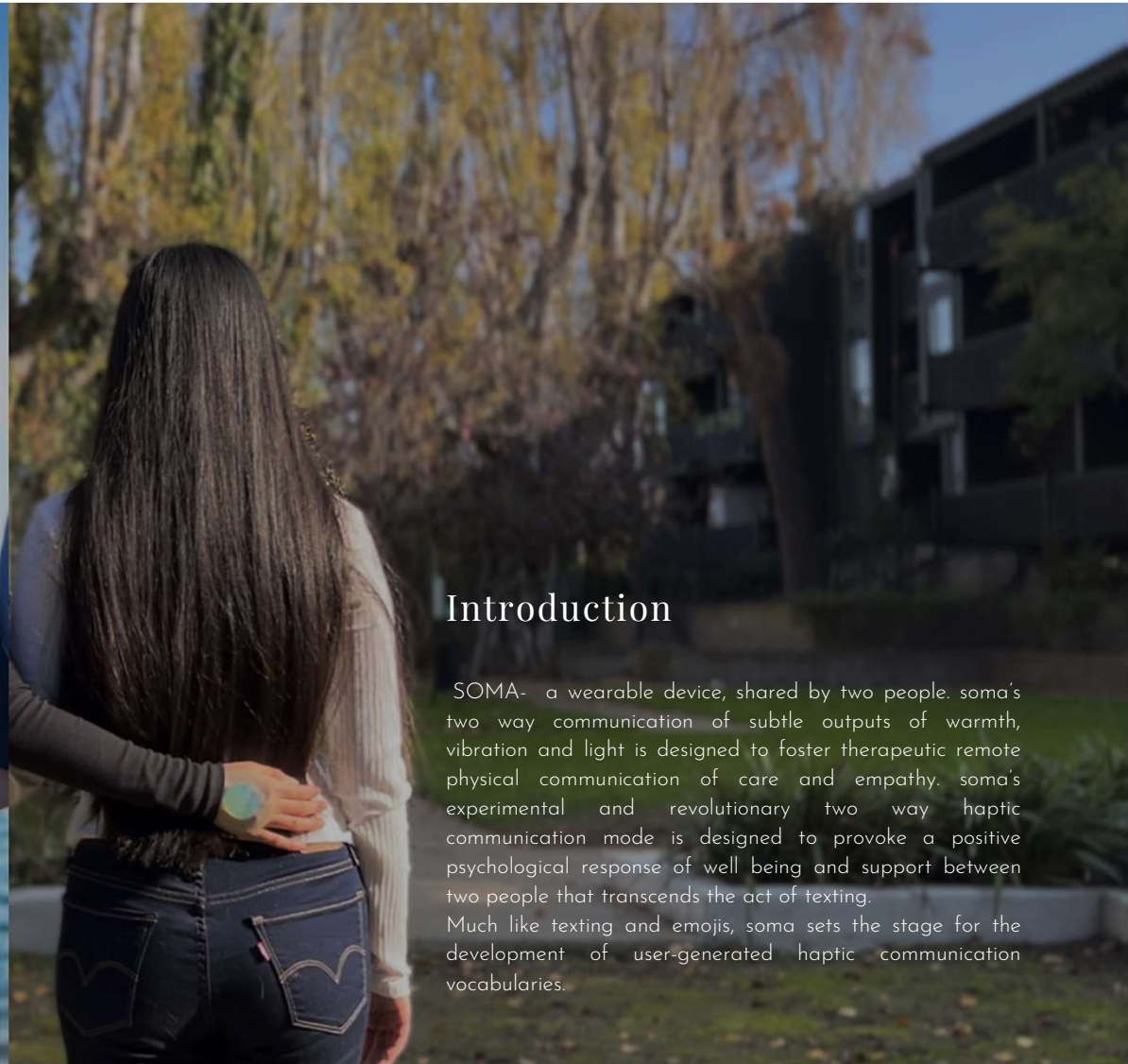
GAZE

GAZE THROUGH THE SECOND SEX

DESIGN 202 Technology Design Foundations spring 2021 - Team 3

Jiaxuan Ren, Xingtai Huang, Yu Cheng, Yiyang Wu

SOMA



Introduction

SOMA- a wearable device, shared by two people. soma's two way communication of subtle outputs of warmth, vibration and light is designed to foster therapeutic remote physical communication of care and empathy. soma's experimental and revolutionary two way haptic communication mode is designed to provoke a positive psychological response of well being and support between two people that transcends the act of texting. Much like texting and emojis, soma sets the stage for the development of user-generated haptic communication vocabularies.

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Part. 04

HUMAN TOUCH IS SOCIAL GLUE

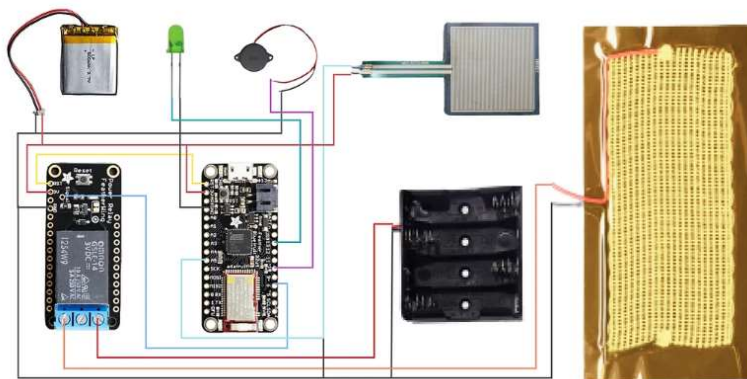
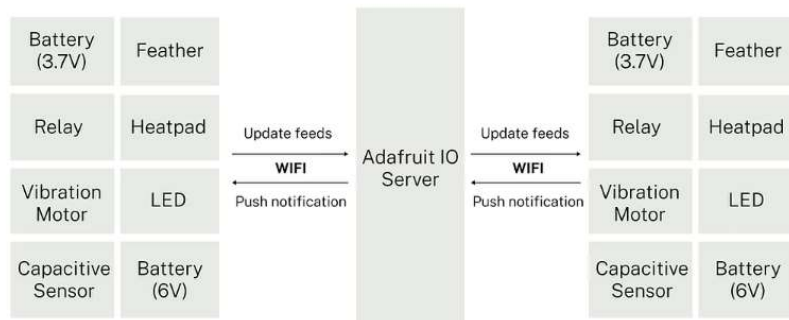
SOMA

Touch and physical contact by a trusted person has a positive effect on the healing process. Our sensation of pain is reduced when someone we care about holds our hand. And our immune systems also respond quite intensely to touch.



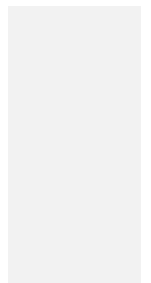
SOMA

Input	Output	
Soft Touch	LED Blink x 3 times	Vibrate x 3 times
Medium Pat	LED Breath x 15 s	Heating x 15 s
Long Squeeze	Vibrate x 6 s	



Design Process:

We experimented with our prototypes. We played with material finish and painting. We realized that color would be nicer than white and that the flexible material was a must and a great direction.





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YU CHENG

THANK YOU