



Enhancing Dancing

TEAM



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computer science



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computer science



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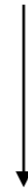


krysten walker

sts

PROBLEM DOMAIN

dancers



hip hop dancers



choreographers of all levels and genres

INITIAL POV



We met Andy.

We were amazed to realize that dancers **don't necessarily welcome feedback until they feel the piece is "performance-ready"**.

It would be game-changing to allow dancers to feel comfortable giving and receiving feedback throughout the creative process.

ADDITIONAL NEEDFINDING



Mindy Phung



Mel Hsieh



Mina Han



Doris Z.

INSIGHTS

Musicality

Important for all levels of dancers

Feedback

Mechanical Movement Feedback
vs Creative Feedback

Creation

Inspiration & Creativity is spontaneous

POV #1

We met Mel.

We were amazed to understand the **intricacy of musicality** in relation to **self expression and creativity**

It would be game changing to allow dancers to expand their musicality by examining the musical interpretations of their peers.

HMW #1



How might we help dancers visualize the auditory subtleties of music?

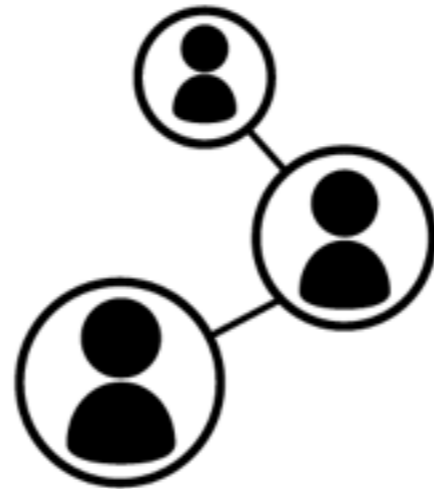
POV #2

We met Tad.

We were amazed to realize that he creates choreography in non-chronological chunks **whenever inspiration hits him.**

It would be game changing to provide dancers with a means of exploring the relationships between discrete, even disparate sequences of movements to create a unified piece.

HMW #2



How might we encourage more collaboration
in the predominantly individual
choreography process?

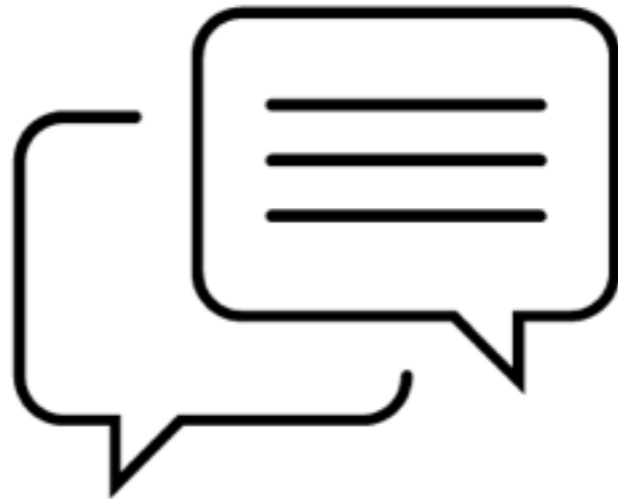
POV #3

We met Andy.

We were amazed to realize that unlike many other creative genres, dancers **do not often seek feedback** until a piece is “performance ready.”

It would be game changing to allow dancers to reframe pieces of choreography as dynamic works in progress and establish a new feedback cycle that integrates more effectively with the different stages of the creative process.

HMW #3



How might we reframe all pieces of dance as
“works in progress” to facilitate more open
feedback?

EXPERIENCE PROTOTYPES

HMW#1

- How might we keep users engaged to complex software by making it fun?
- TELETYPE FOR DIVERSITY - BUILD UP SCHEMA FROM MULTIPLE SOURCES
- As virtual objects in 3D or 2D space, things are placed and understood in one other, yet virtual
- Let's design for joy
- SEO
- Only look at data in context
- Turn a complex problem into something simple
- COGNITIVE PROBLEMS TO SOLVE TECHNICAL STUFF
- EXPLORE OF ONE DANCE - CAN YOU LEARN DANCE FROM ONE DANCE?
- Make dance to chore songs for more dance

HMW#2

- How might we help users understand their own behavior?
- How might we help users understand their own behavior?
- COMPUTER, IMPROVE THE USER EXPERIENCE
- MAKE THE USER TAKE SOME ACTION IN THEIR LIFE
- LET USERS DESIGN THEMSELVES - BUT TO USERS, ALLOW THEM TO CHOOSE AND CONTROL
- LET USERS DESIGN THEMSELVES - BUT TO USERS, ALLOW THEM TO CHOOSE AND CONTROL
- CONSTRUCTIVE FEEDBACK - SUGGEST ALLOWING VISUAL, DRAWINGS OR SCREEN, ANCHORED GOOD
- Provide 3-count

HMW#3

- How might we make our feedback more effective at work?
- How might we make our feedback more effective at work?
- MUSIC TRIPPERS AT POINTS OF DANCE
- NUMBER SONGS - MORE OBJECTIVITY
- TEMPERED FEEDBACK TO PROMOTE CONSTRUCTIVE FB
- SPATIAL MOVEMENT - suggest allowing visual, drawings or screen, anchored good
- PLATFORM WITH INCENTIVES OF "MAKE IT HAPPEN" SENT IN
- VISUAL - ONLY FEEDBACK
- GAMIFICATION - REWARDS FOR GOOD FB
- PLATFORM THAT ALLOWS US REQUEST TO provide fb to those who didn't provide work

TAP2CLAP

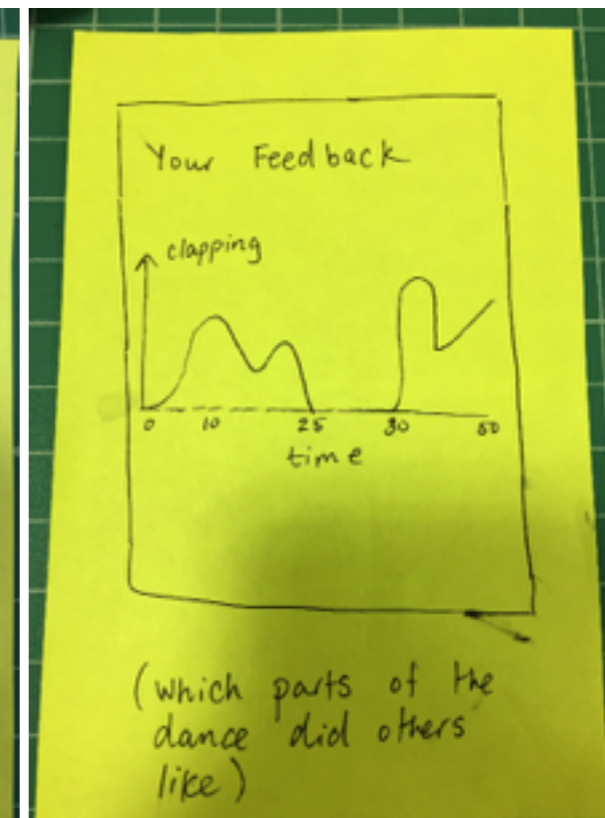
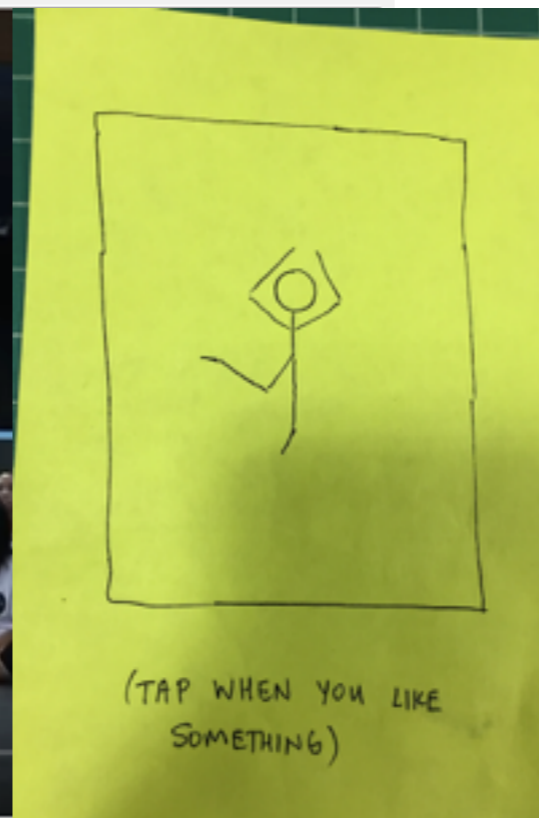
HOW IT WORKS

Viewer

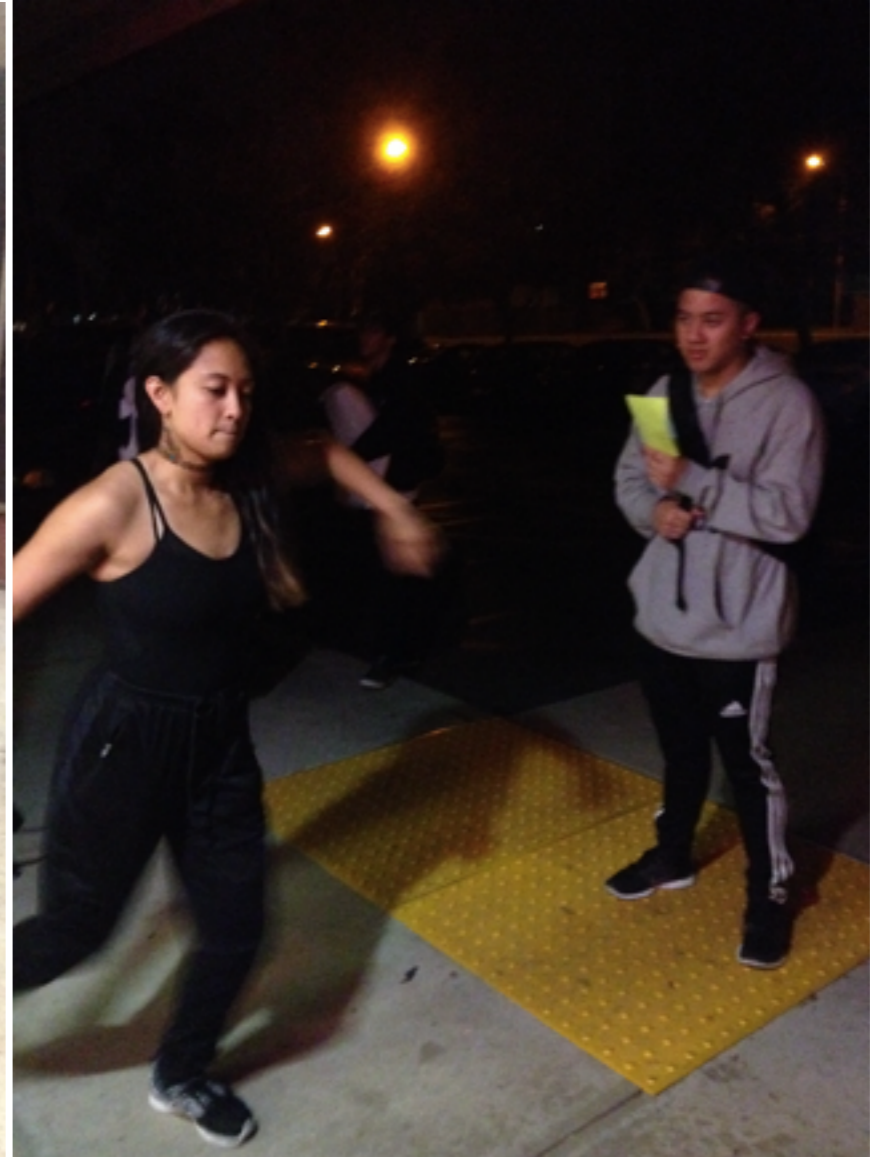
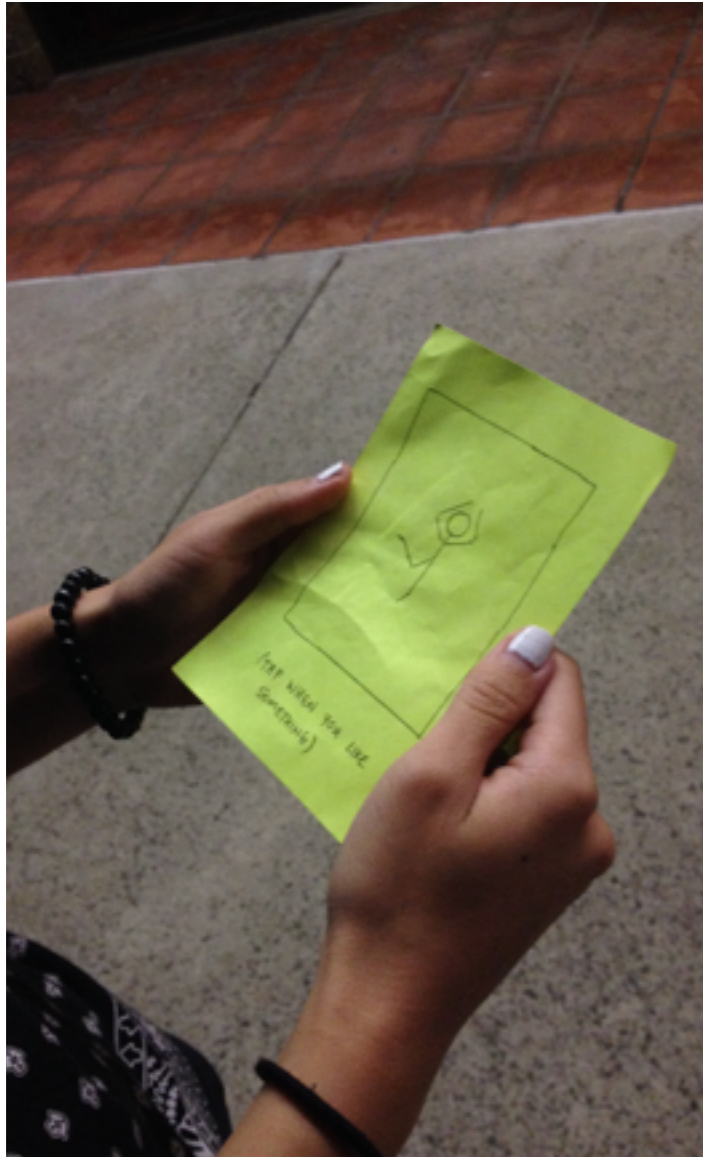
Watches videos and gives applause

Dancer

Uploads video and receives data



HOW WE TESTED



OUR RESULTS

things that worked

- concept was clear to grasp
- enthusiasm tied to timestamps was cool

things that did not work

- content would be catered to audience appeal
- lack of clapping could be perceived negatively

surprises

- user preferred to be a passive audience member
- looking at histogram would be more discouraging than helpful

new learnings

- simple concept makes for surprisingly complex insights
- an interesting idea but doesn't solve an inherent problem

OUR RESULTS

- ✓ Dancers will be comfortable uploading videos and having other people watch.
- ✓ Viewers will find it natural to tap or swipe the screen to “applaud.”
- ✗ Dancer will get value out of seeing the results

things that worked

concept was clear to grasp

things that did not work

content would be catered to audience appeal

surprises

looking at histogram would be more discouraging than helpful

new learnings

an interesting idea but doesn't solve an inherent problem

BOOTS AND CATS

HOW IT WORKS

Beginning Dancer

Choreographs to song

Intermediate Dancer

Browses different interpretations of song

Feedback Providers

Browses uploaded videos and provides feedback

HOW WE TESTED



OUR RESULTS

things that worked

- useful to see how different people interpreted music
- dedicated space to show your abilities

things that did not work

- purpose of idea was not clear because of the complexities
- youtube serves the same purpose

surprises

- musicality difficulty isn't categorized by song, but by interpretation
- dancers are hesitant about validity of comments

new learnings

- practicing musicality for the sake of it has little appeal
- too many roles in the experience led to too much confusion

OUR RESULTS

- ✓ Dancers want to work on musicality
- ✓ Dancers can improve their musicality by listening to music and choreographing frequently
- ✗ Dancers can provide useful feedback about musicality

things that worked

useful to see how people interpreted music differently

things that did not work

concept was too complex

surprises

dancers were skeptical about feedback

new learnings

practicing musicality itself is not appealing

CHOREO LAB

HOW IT WORKS

Starter

Picks a snippet of song, choreographs up to 28 counts and passes it on

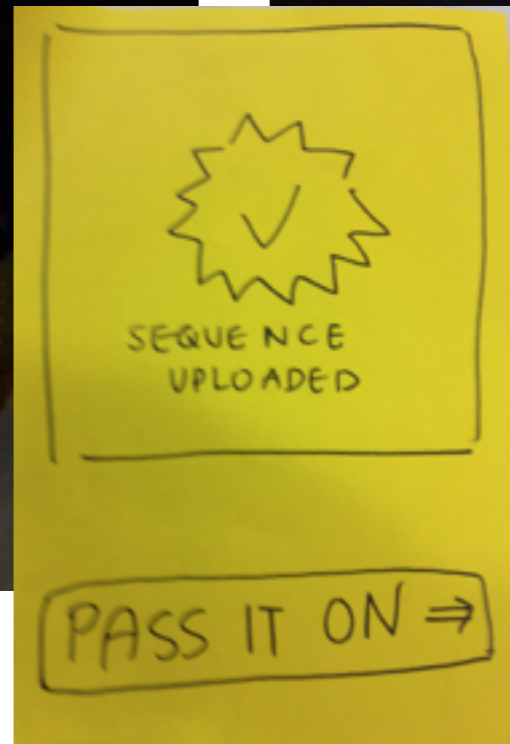
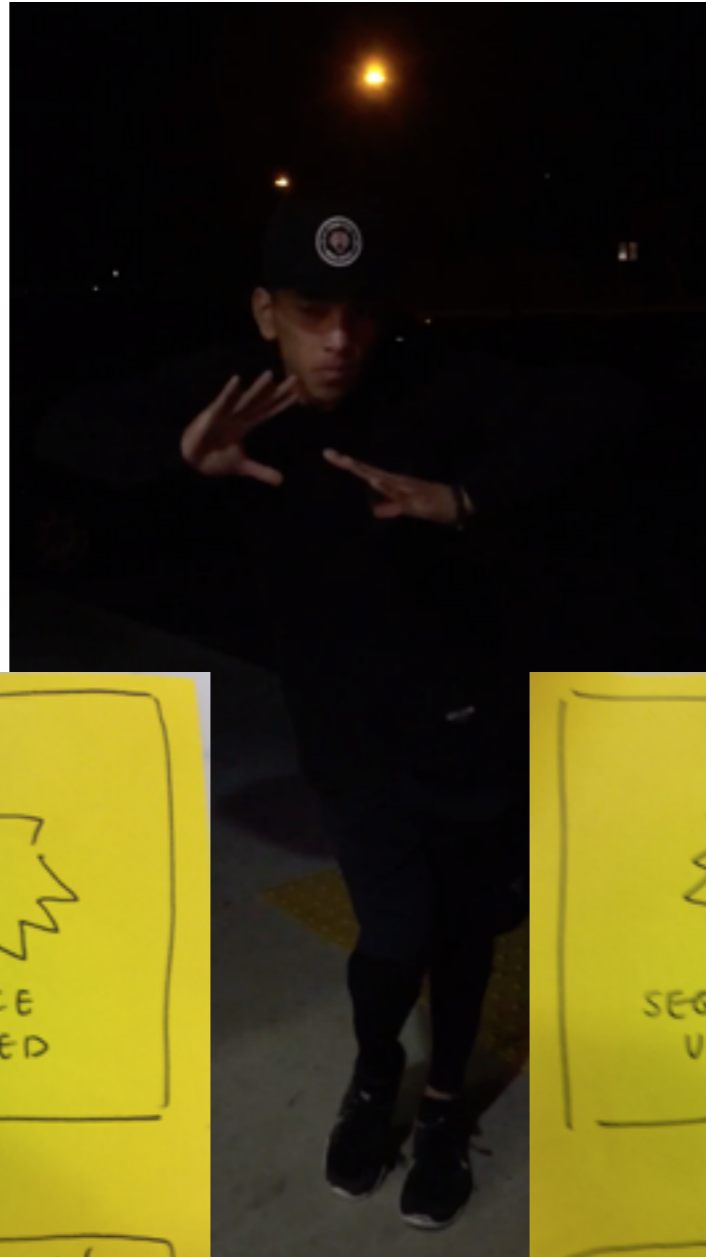
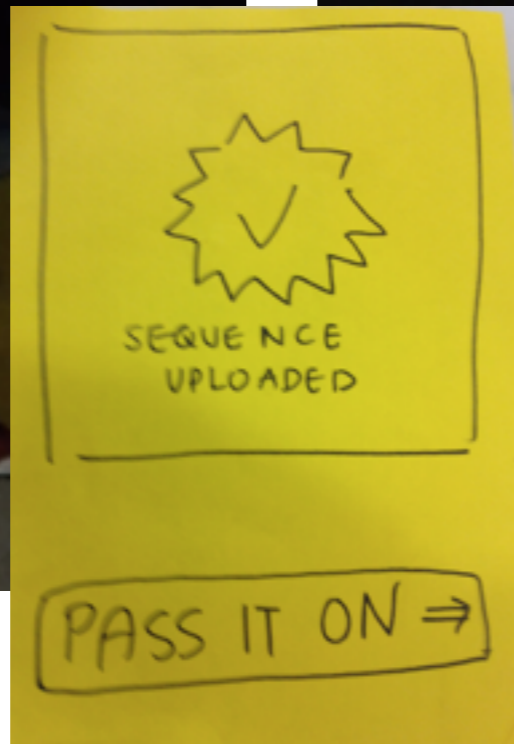
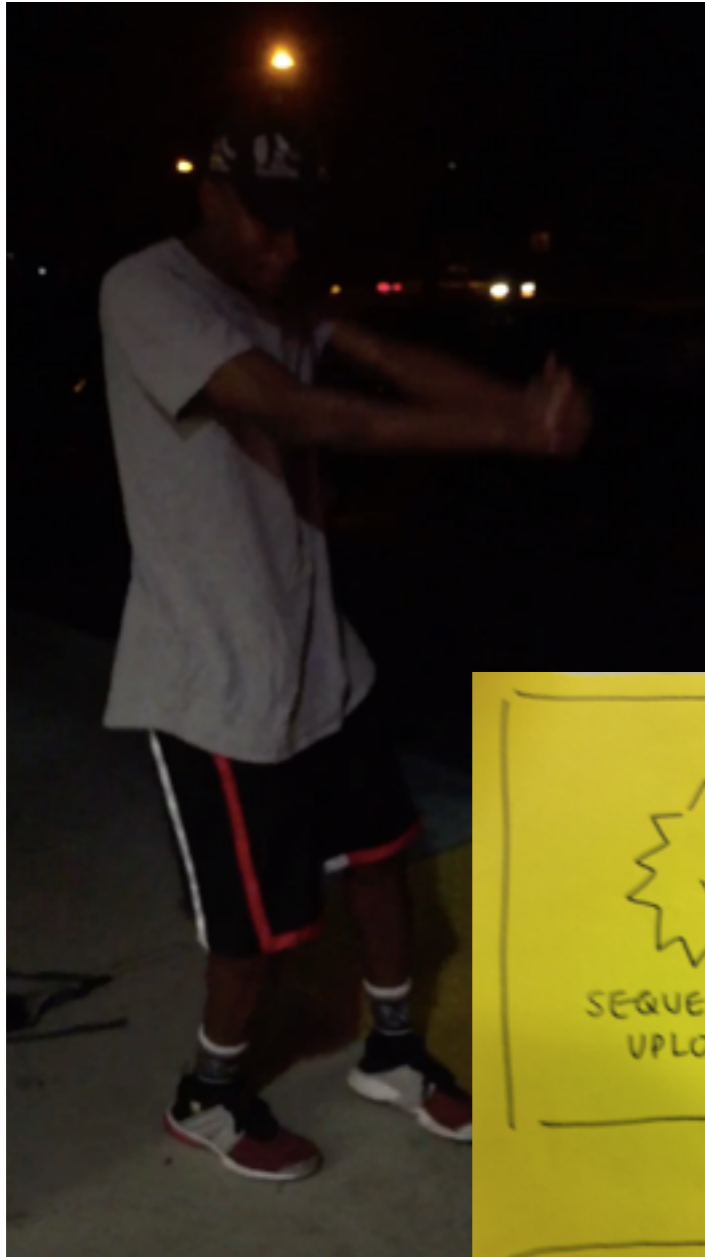
Contributor

Either receive a request or actively chooses to contribute to a project

Passive Browser

Browses cool projects

HOW WE TESTED



OUR RESULTS

things that worked

- users liked the collaborative nature
- interesting to see all the different interpretations put together

things that did not work

- imposing restrictions on choreography length
- some could develop attachment to their choreography

surprises

- dancers would be okay with sending the choreography to strangers
- all users were genuinely excited about both creating and seeing other's results

new learnings

- collaborating with other dancers is an exciting space that is hard to do
- community is important

OUR RESULTS

- ✓ Dancers will contribute to choreography that included other people's different interpretations of the song
- ✓ Dancers like creating fun choreography in a collaborative manner
- ✗ Dancers like choreographing small sections of songs

things that worked

collaborative nature

things that did not work

restrictions on time/music

surprises

genuine excitement

new learnings

collaboration and community are important

CONCLUSION



CHOREO LAB