STORIES UNDER THE INFLUENCE
RAY LC

STORIES TELL US ABOUT THE PEOPLE WHO TELL THEM

"taught me how to swim by throwing in water"  "have to take risks to create a business"

STORIES TELL US ABOUT THE PEOPLE WHO TELL THEM

"taught me how to swim by throwing in water"  "never trust authority, fight for your rights"

STORIES TELL US ABOUT THE PEOPLE WHO TELL THEM

WE EDIT STORIES FOR PURPOSE
stories under our influence

OUR STORIES COMMIT US TO PURPOSE
stories influence us

WE ARE ALWAYS UNDER THE INFLUENCE

We understand the people and decisions in our world by way of stories.
WE ARE ALWAYS UNDER THE INFLUENCE
Stories lead to new interactions with each other and with machines.

STORIES OF HYBRID PRACTICE
RAY LC
ARTIST
CREATIVE TECHNOLOGIST
NEUROSCIENTIST
DESIGNER
China -> Los Angeles -> Tokyo -> New York / Boston

CURRENT USES OF MACHINE INTELLIGENCE
AARON mimicking Harold Cohen’s style. NSynth makes sounds from existing material.
MACHINES WITH AURA OF MYSTERY

I'm not sure I understand you fully.

MACHINES WITH HUMAN GESTURES

SECRET LIVES OF MACHINES

as told to RAY LC
THE STARE: COLLECTIVE INTERACTIVITY

MACHINE GAZE

as told to RAY LC

A SURVEILLANCE CAMERA FROM THE 60s + COMPUTER VISION

capulets and montagues.

RAY LC
COUPLED TO SERVO CONTROL AND PROJECTION

FACE PROJECTION ON SCULPTURE

LOOK AT ME, THINK OF ME
as told to RAY LC, assisted by Fifi Zhang
ATTENTION IS THE COMMODITY

the selfie
we talk to gain attention to ourselves
we want attention: EEG game

INSPIRATIONS

Moritz Wehrmann’s Alter Ego (2013) - schizophrenia
RAYLC, with Fifi Zhang (2018) - speech and EEG interactivity
VRAL: ML-BASED VR THERAPY FOR STUTTERING

as told to RAY LC, with YUKA FUKUOKA et al

THERAPIES ARE EXPENSIVE, TIME-CONSUMING, HARD TO FIND

what takes place here... Is supposed to... what happens here

SOLUTION: Virtual Reality + Machine Learning

VR (context) Machine Learning (customized) Therapy (get better)

SPEECH DISORDERS ARE DEBILITATING

social stress perception
Interviews / speeches / meetings
70 million sufferers worldwide

USER FLOW
INTRO RELAXATION

USER TEST DETERMINING STRESS

GSR (galvanic skin response) sensor to measure anxiety level during test. Incorporate into ML model.

WEAVABLE TECH: GESTURE-BASED ANXIETY SENSORS

As told to RAY LC, with CHANEL LUU

USER TEST STUTTERERS

National Stuttering Association
NYC Chapter.
40 user tests.
Survey: reduced anxiety by 30%
80% of users want to incorporate routine
POSITIVITY FOR SOCIAL ANXIETY

Exposure doesn’t address intrinsic motivation.
Need implicit rewards as “relief.”

DOPAMINE: EXTINCTION IN POST-TRAUMATIC STRESS

EMPOWERED STORIES: ROHINGYA REFUGEE EXPERIENCE

WORK WITH STEFAN HOFFMAN (BOSTON UNIVERSITY)
Students: Rudra Trivedi, Sai Konda (Northeastern)
Answer trivia questions + real-time mode.
Find people who got the same answers right.
Find people who got right what you got wrong.

POSITIVITY FOR SOCIAL ANXIETY

SELF-EMPOWERED GAMES:
Pick cards, see 2 positive things
Who they should vote for you.

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FULLER PERSPECTIVE FROM DIVERSE MODES OF STORYTELLING

DOCUMENTARY
Narrates the loss of child on the way from Myanmar, memory in Ramadan

VR EXPERIENCE
Rohingya child takes you around the camps in daily life activities

EMPOWERMENT
Teaching refugees how to use photo and 360 cameras to record and express

JOURNEY TO ROHINGYA

FACES OF ROHINGYA

CHILDREN OF ROHINGYA
REFUGEE EXPERIENCE: VR

- static
- agenda
- hidden director/creator - objective?
- sad - according to whom?
- 2D like movie
- western music/sensibility
- frequently dubbed

A NEW LANGUAGE FOR A NEW MEDIUM

- movement - perspective change
- show the auteur - subjective
- surprising sound - VR power in invisibility
- use their own voice and sound
- subtitles the viewer not the scene
- expressive language over rendering
WHAT WE LEARNED

frame narratives, not journalism
multiple projects, fuller story
communication by soap action

MOVEMENT INTERACTION EXPRESSION

WHAT WE REALLY LEARNED

Ameena Khatun and Family
Sunday March 22
10AM
Producers
Club 358 W 44th
RAYLC.ORG

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Aaliyah Alibar, Alejandro Baez, Anika Ullah and Fabeha Monir (Rohingya Refugees Experience)

THANK YOU!

BEAD IT: LOW-COST WASHING CONSERVES RURAL WATER
RAYLC, with SHRISTI, WENCHI HUANG, YUJIE JIANG, and ECHO JIANG

2017
MIDI-ROX: REVERSIBLE ONE-HANDED DRESS FOR ELDERLY
RAY LC, MICHAEL TRANQUILLI, and ALYSSA WAREDROP

THE SKIN OF OUR SHEATH
RAY LC and Mizuho Kappa

MACHINE CREATIVITY DEPENDS ON HUMAN CONSTRAINTS

ARTISTIC INTELLIGENCE
RAY LC

CREATIVITY HAS TO SURPRISE