

Panel: Perspectives from the Field

Joyce Malyn-Smith, STELAR Senior Advisor, Education Development Center

June Ahn, Associate Professor of Learning Sciences/Educational Technology, New York University

Ingrid Dahl, Director, Service Design, Education @Scale, Adaptive Path at Capital One















Connected Learning

(Ito et al., 2013)

Cultural Learning Pathways

(Bell, Tzou, Bricker, & Baines, 2012)

Interest-Driven Learning Settings

(Azevedo, 2011; 2013; Barron, 2006; Barron, Gomez, Pinkard, & Martin, 2014)

Family, Informal, and Formal Learning Connections

(Duncan & Murnane, 2014; Eberbach & Crowley, 2017; Takeuchi & Stevens, 2011)









Learners have unequal experiences of aligned practices between settings, people, and learning activities.

Culturally Relevant
Socially Relevant
Deeper Dispositions & Identity

Building On vs. Conflicting With...







How can we support better alignment and coordination of practices between settings, people, and learning activities?







Participatory Design with Families and Children

Participating in Well-Being and Family

Fchi4good, CHI 2016, San Jose, CA, USA

The Evolution of Engagements and Social Bonds During Child-Parent Co-design

Jason C. Yip¹, Tamara Clegg², June Ahn², Judith Odili Uchidiuno³, Elizabeth Bonsignore²,

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Author Keywords
Participatory design; families; children; parents; co-designstand techniques

ACM Classification Keywords

INTRODUCTION

rviewer: What do you think about designing with t do, like with your purents?

Arry: I shink that sometimes we don't agree on things. But I think it's kind of for because you get to bond with jour parents and we get to see like what ideas are cool and like.

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don't agree on or that you didn't agree on? Atty: Well, like how it should look like, size, what it should

This is how one of our youth pericipants (Amy, age 12) emploishings in Helman on 10-ments promoted of singing includings in Signific on 10-ments processed of singing new learning includings in Signific with her failure, addings new learning of the Signific of Signific Sign

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Yip, Clegg, Ahn, Uchidiuno, & Bonsignore et al., 2016









Seeing the unseen learner: designing and using social media to recognize children's science dispositions in action

June Ahn^{a,b*}, Tamara Clegg^{a,b}, Jason Yip^c, Elizabeth Bonsignore^a, Daniel Pauw^a, Michael Gubbels^a, Charley Lewittes^a and Emily Rhodes^a

^aCollege of Information Studies, University of Maryland, 4105 Hornbake Building, South Wing, College Park, MD 20742, USA; ^bCollege of Education, University of Maryland, College Park, MD, USA; ^bInformation School, University of Washington, Seattle, WA, USA

(Received 19 December 2013; accepted 8 September 2014)

This paper describes the development of ScienceKit, a mobile, social media application to promote children's scientific inquiry. We deployed Science-Kit in Kitchen Chemistry (KC), an informal science program where children learn about scientific inquiry through cooking. By iteratively integrating design and implementation, this study highlights the affordances of social media that facilitate children's trajectories of disposition development in science learning. We illuminate how the technological and curricular design decisions made in ScienceKit and KC constrain or expand the types of data we can collect and the actionable insights about learning we can recognize as both educators and researchers. This study offers suggestions for how information gleaned from social media tools can be employed to strengthen our understanding of *learning in practice*, and help educators better recognize the rich actions that learners undertake, which may be easily overlooked in face-to-face situations

Keywords: social media; science dispositions; data-informed instruction

Social media applications are a ubiquitous part of young people's lives and substantially influence how individuals relate to one another, share information, and engage with the world (Ahn 2011; Grimes and Fields 2012; Madden et al. 2013). Different social media platforms - for example, social network sites, micro-blogs, wikis, or media-sharing platforms - allow members to share text, images, video, and other digital media. Researchers observe that individuals use these technical features to establish a variety of social and cultural practices. For instance, social media tools significantly influence how people interact socially and share information (Lewis, Pea, and Rosen 2010; Morris, Teevan, and Panovich 2010). Similarly, there has been

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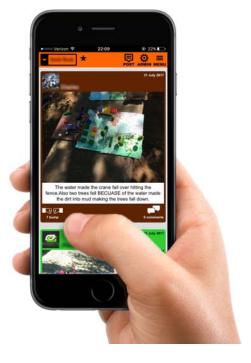
Ahn et al, 2016 Learning, Media and Technology













Solid Rock

5 bumps





HEEFERT



Learning Programs (after school)

Community Programs

(e.g.,church, university)

Formal Classrooms (teachers)















By recognizing other people, the displays oriented neighborhood members to note each other's ideas, afford opportunities to ask questions, have conversations, or build awareness of one another in the context of science.









Thank You!



Dr. Tammy Clegg University of Maryland, College Park



Dr. June Ahn New York University



Dr. Jason Yip University of Washington, Seattle **Our Team**

Elizabeth Bonsignore Daniel Pauw Lautaro Cabrera Kenna Hernly Kelly Mills Rachael Marr

Caroline Pitt Arturo Salazar Diania Griffing

Jeff Rick

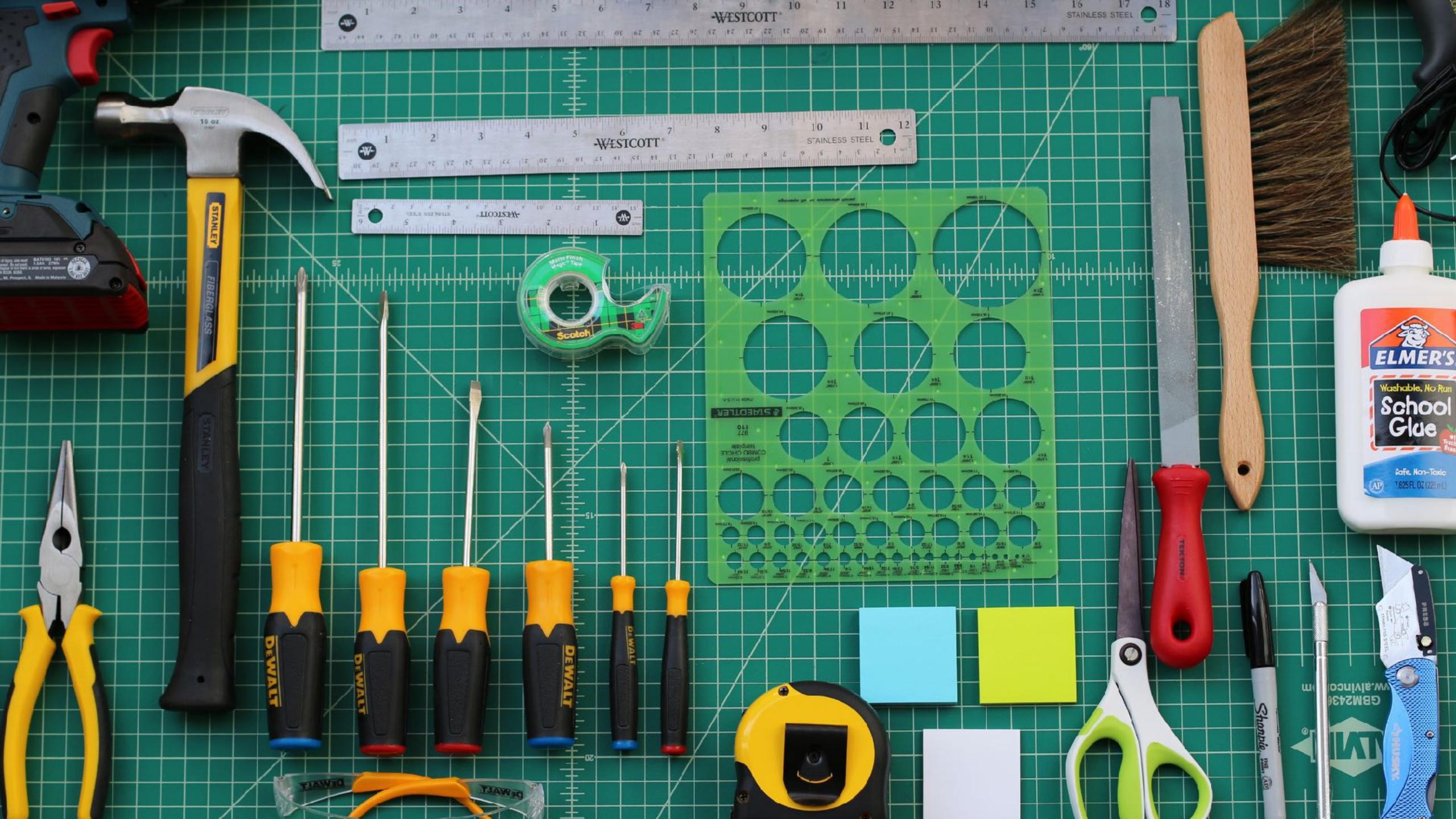










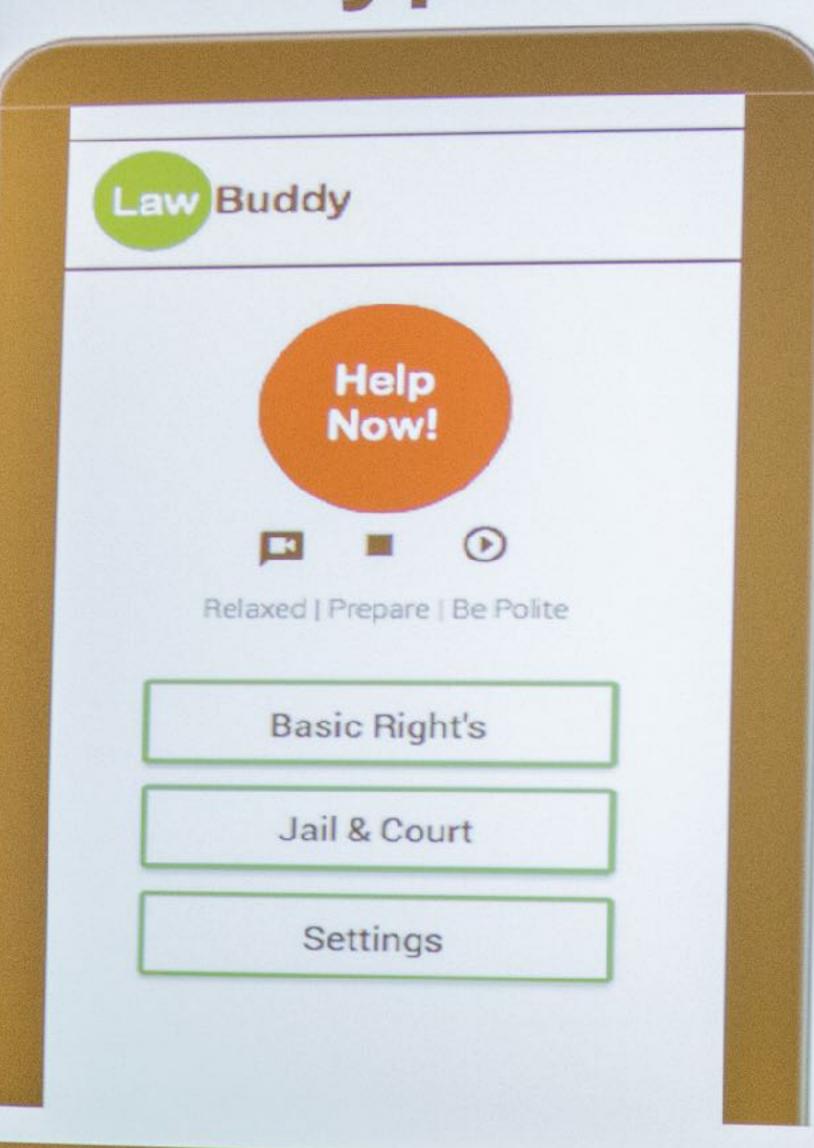


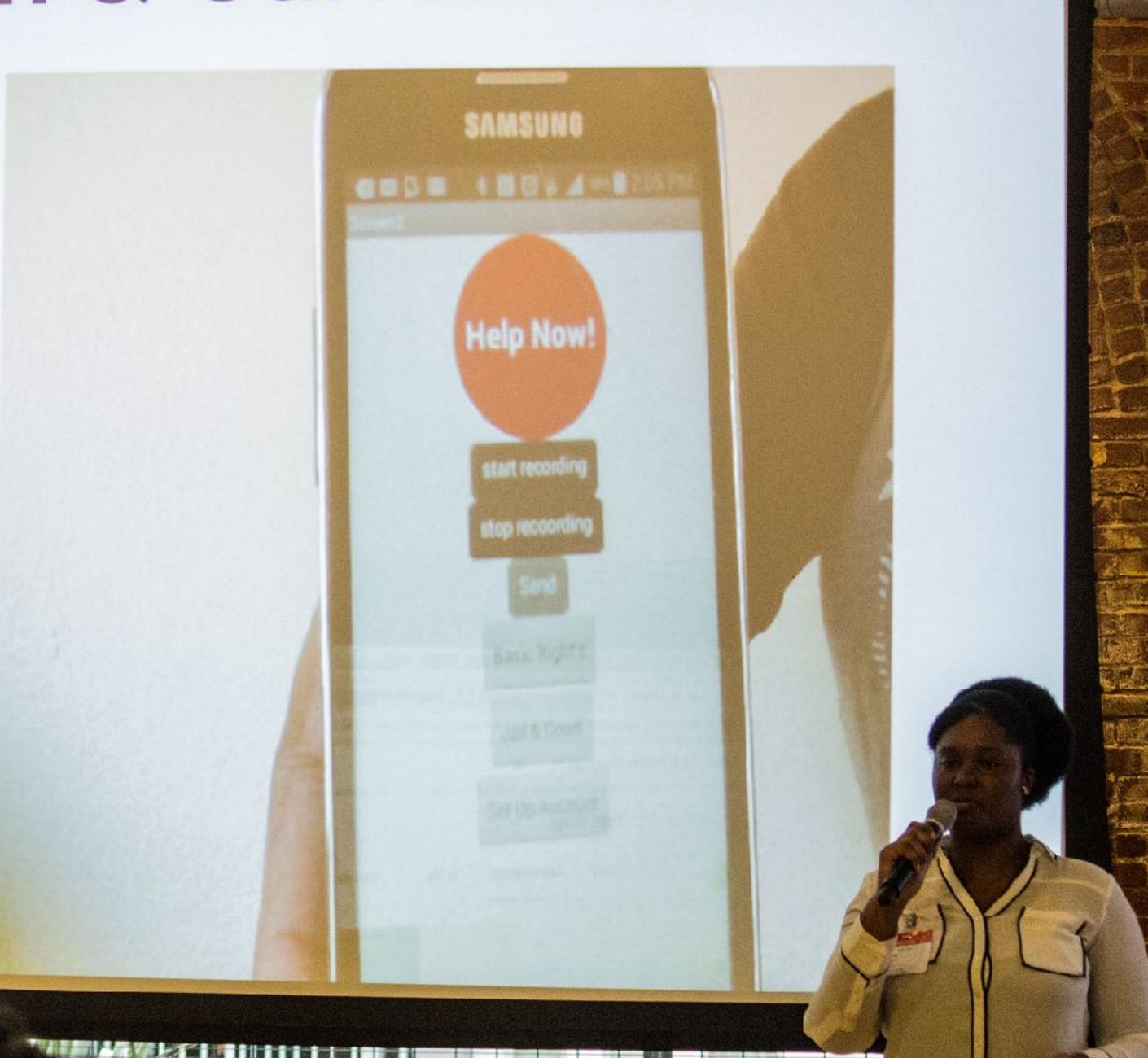






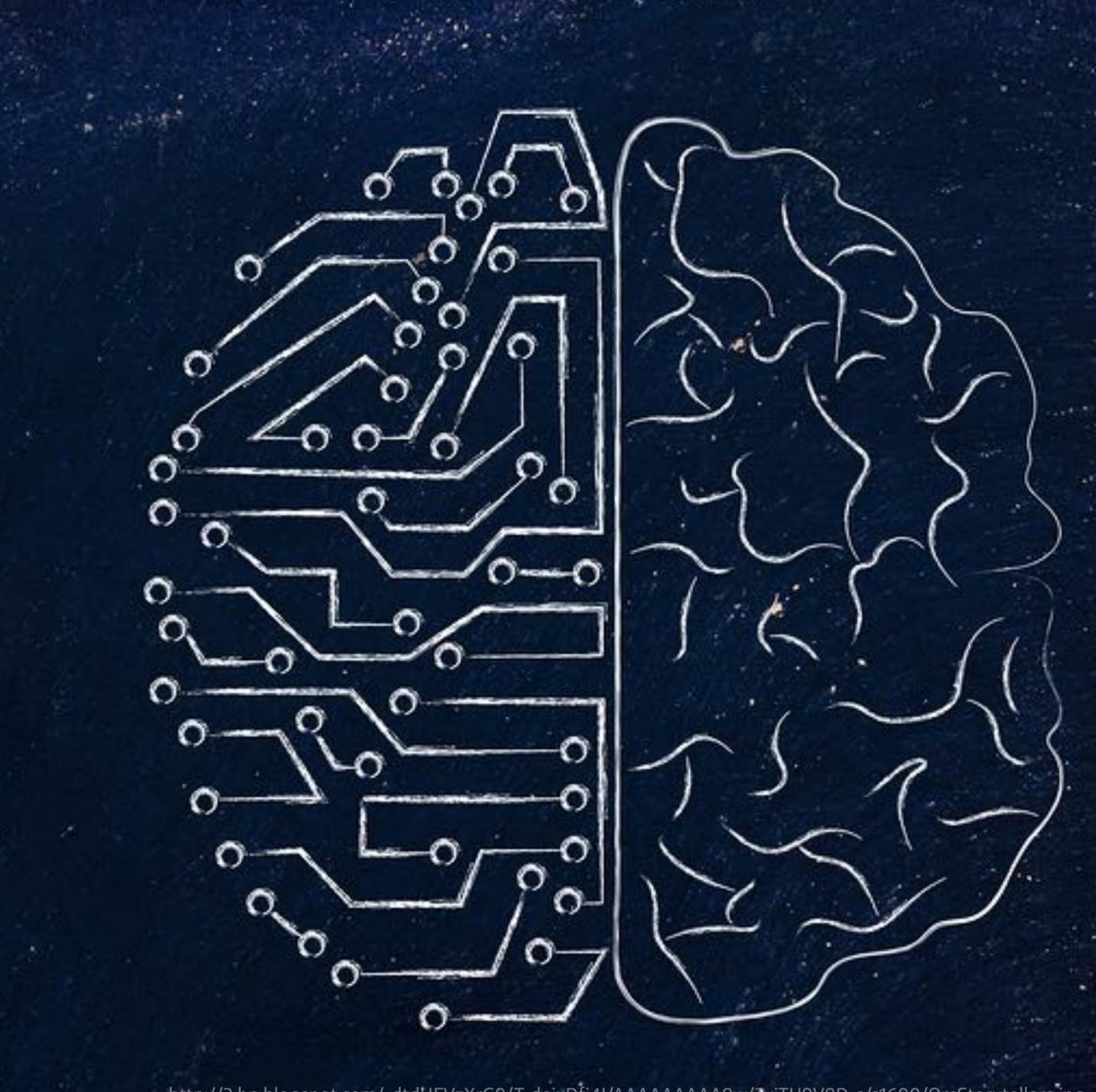
Prototype Design & Current features





Preparing for the Future of Artificial Intelligence

—WHITE HOUSE REPORT 2016



http://3.bp.blogspot.com/-dtdHFVzXrG8/T-dejxDfj4I/AAAAAAAAAA8w/3xiTH9V8D-s/s1600/OrcStorytellers.jpg



We need diverse perspectives in A.I. design. Representation is key.

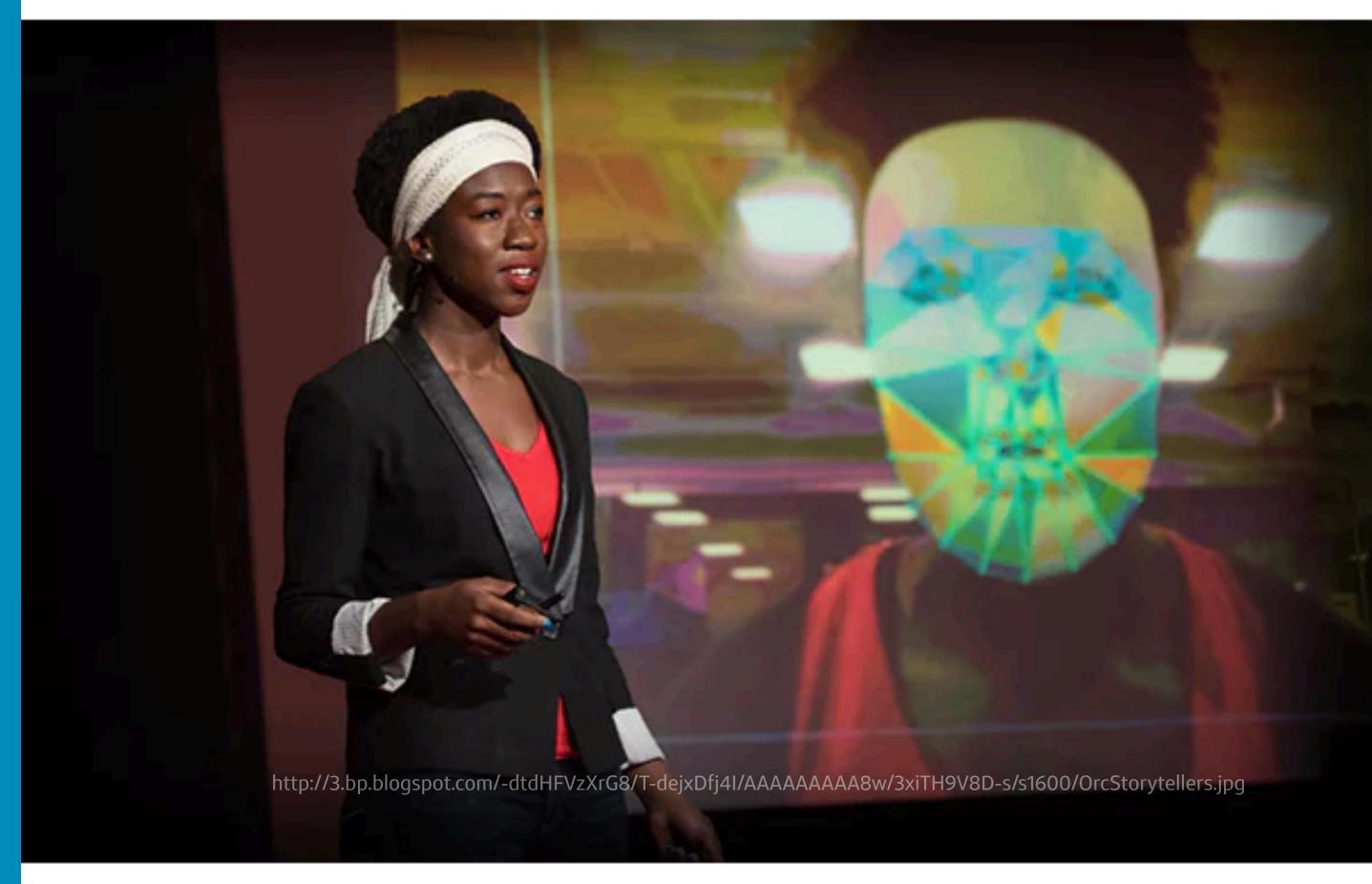
-CHECK OUT
+JOY BUOLAMWINI
+BLACKINA.I.
+AI4ALL

Interview

'A white mask worked better': why algorithms are not colour blind

By <u>Ian Tucker</u>

When Joy Buolamwini found that a robot recognised her face better when she wore a white mask, she knew a problem needed fixing



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HUMANITY DESIGN + SOCIAL FLUENCY

How to use drones for social benefits? By Joyce Riha Linik, Phys.org Learn More

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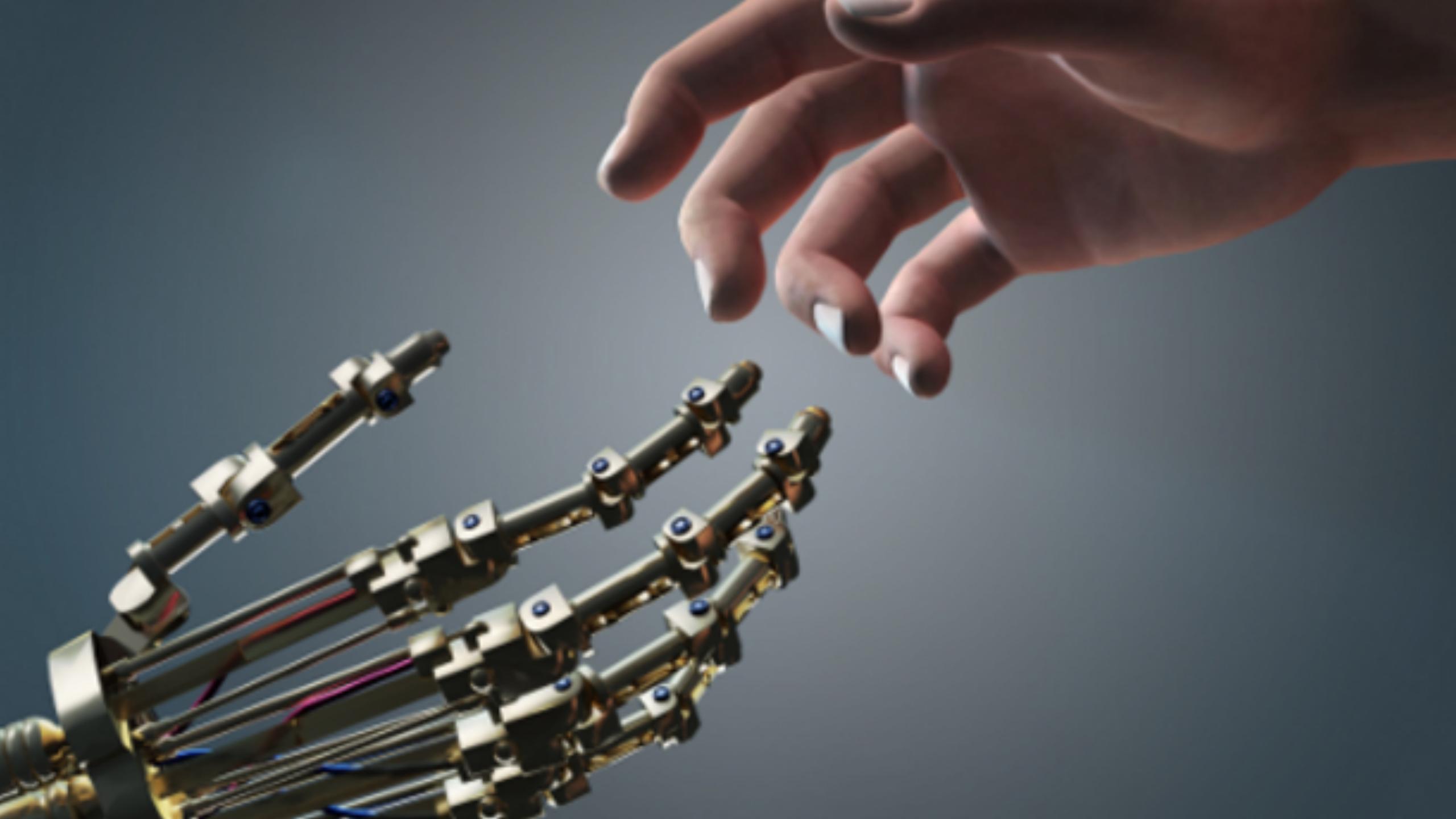
By Lauren Gilmore, Insider

Learn More

How the Internet of Things can be used for social good

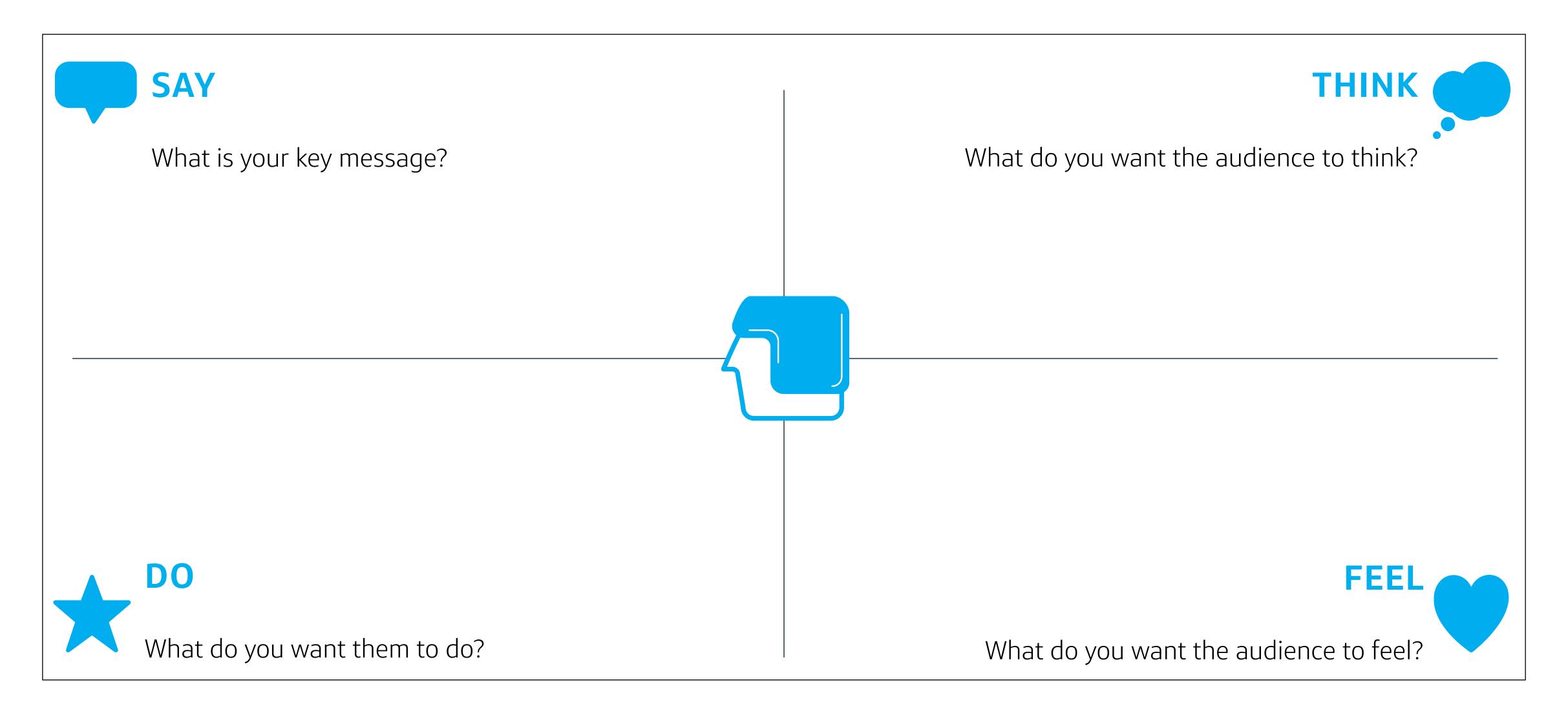
The Venture

Learn More



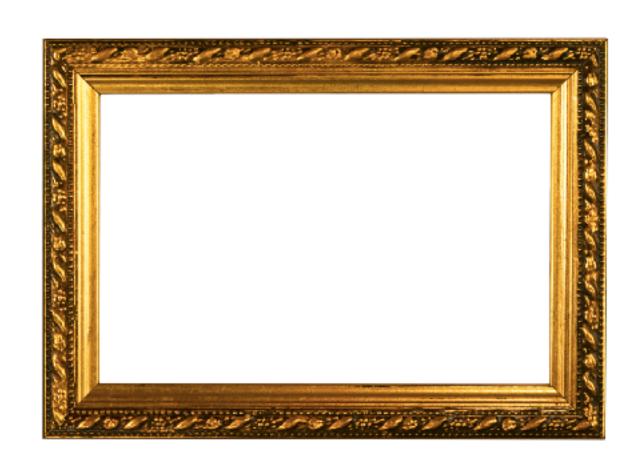


AUDIENCE EMPATHY MAP



LX | PUBLIC SPEAKING WORKSHOP

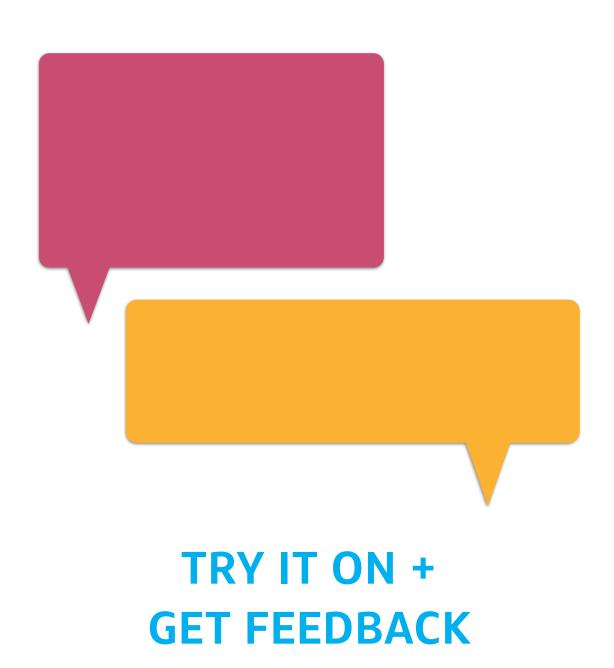
HOW TO PROTOTYPE YOUR MESSAGE



FRAME YOUR INTENT



WORK IN THE PHYSICAL



DESIGN THINKING LEARNING EXPERIENCES

1 DAY

2017

DISCUSSION





LX | PUBLIC SPEAKING WORKSHOP