

**A.I. IS YOUR NEW
DESIGN MATERIAL**

josh clark
@bigmediumjosh

**HOW DO YOU
WORK WITH
A NEW DESIGN
MATERIAL?**

Juicero



JUICERO
CHOPPED
Greens
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
spinach, romaine, kale, cucumber, scallions, parsley, jicama, lemon
100% organic ingredients
NET WEIGHT 10 OZ (283 g)

JUICERO
CHOPPED
Spicy Greens
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
parsnips, romaine, celery, cucumber, scallions, parsley, jicama, lemon
100% organic ingredients
NET WEIGHT 10 OZ (283 g)

JUICERO
CHOPPED
Sweet Greens
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
spinach, romaine, jicama, kale, lemon
100% organic ingredients
NET WEIGHT 10 OZ (283 g)

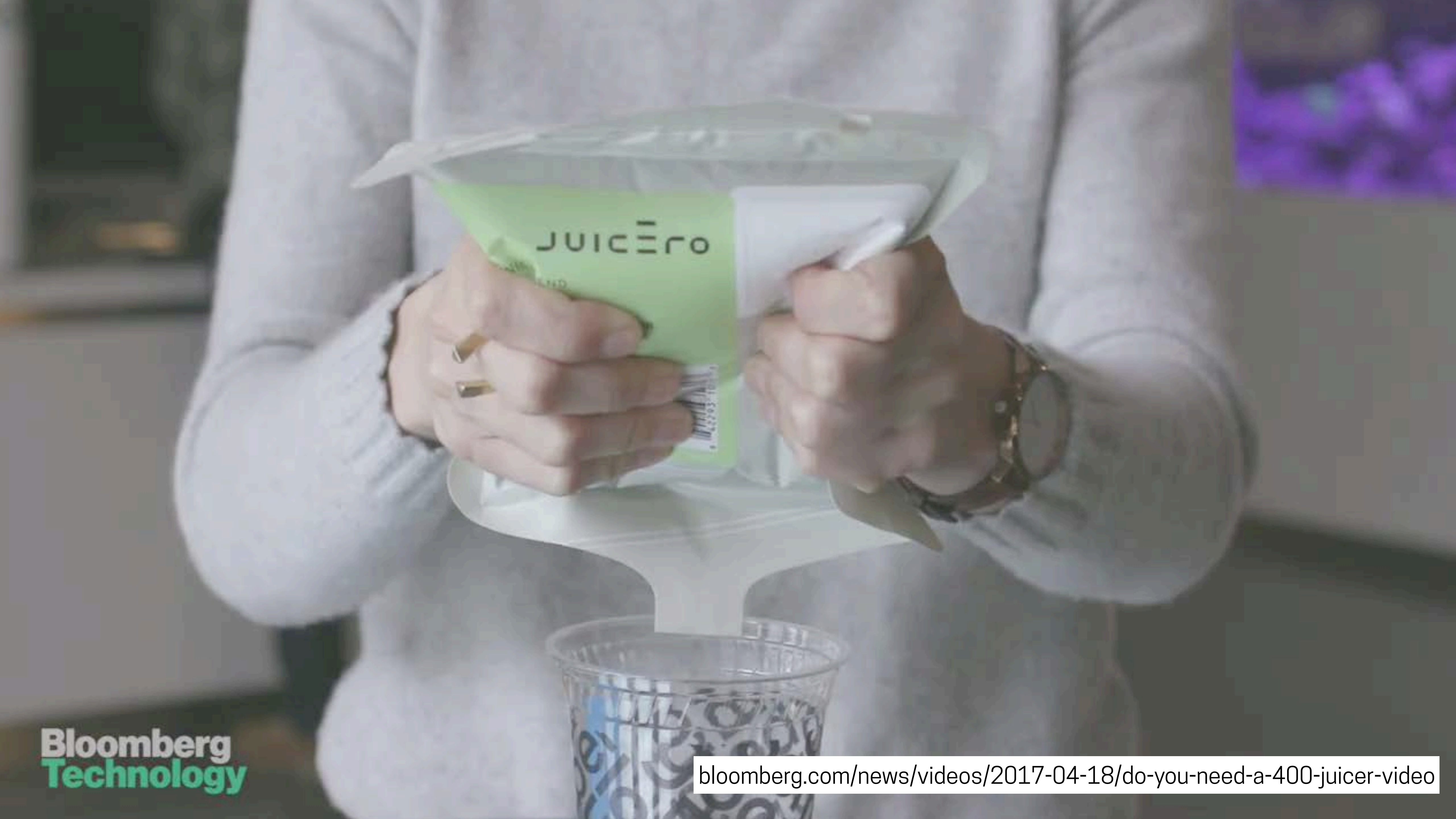
JUICERO
ORGANIC BLEND
Green Zing
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
pineapple, romaine, celery, cucumber, spinach, parsley, jicama, ginger, lemon
100% organic ingredients
NET WEIGHT 10 OZ (283 g)

JUICERO
ORGANIC BLEND
Beta Glow
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
carrot, lemon, orange, ginger
100% organic ingredients
NET WEIGHT 10 OZ (283 g)

JUICERO
ORGANIC BLEND
Granate Glow
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
apple, cucumber, pomegranate seeds, beet, lemon
100% organic ingredients
NET WEIGHT 10 OZ (283 g)

JUICERO
ORGANIC PRODUCE SHOT
Pure Pomegranate
FRESH ORGANIC PRODUCE FOR MAKING COLD-PRESSED JUICE
pomegranate seeds
100% organic ingredients
NET WEIGHT 4 OZ (113 g)

JUICERO
ORGANIC BLEND
Root Renewal+
FRESH CHOPPED PRODUCE FOR MAKING COLD-PRESSED JUICE
spinach, celery, beet, romaine, cucumber, scallions, ginger, lemon
100% organic ingredients
NET WEIGHT 10 OZ (283 g)



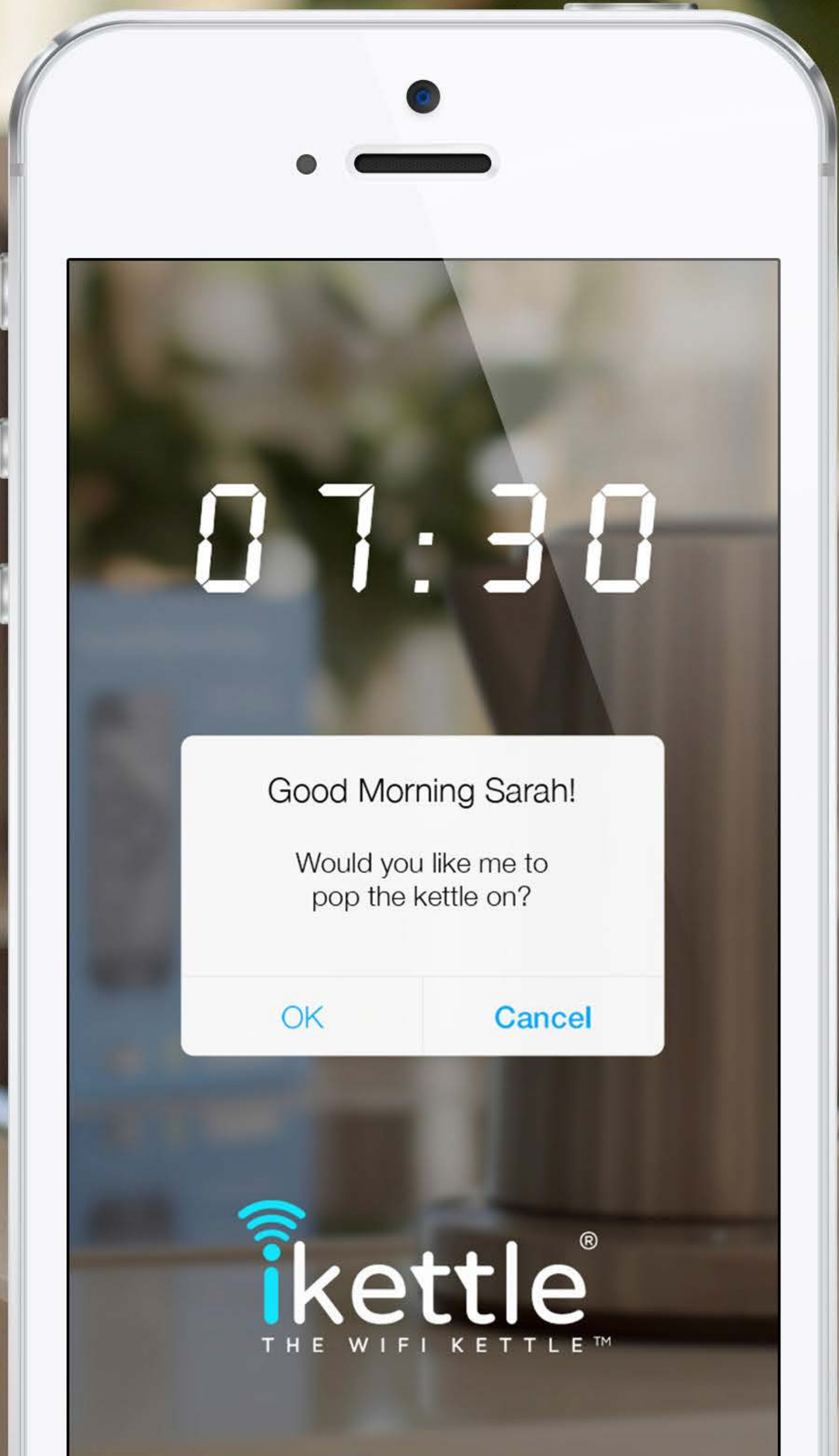


My juicer is not meant
to squeeze lemons.

It is meant to start
conversations.

Philippe Starck







Mark Rittman

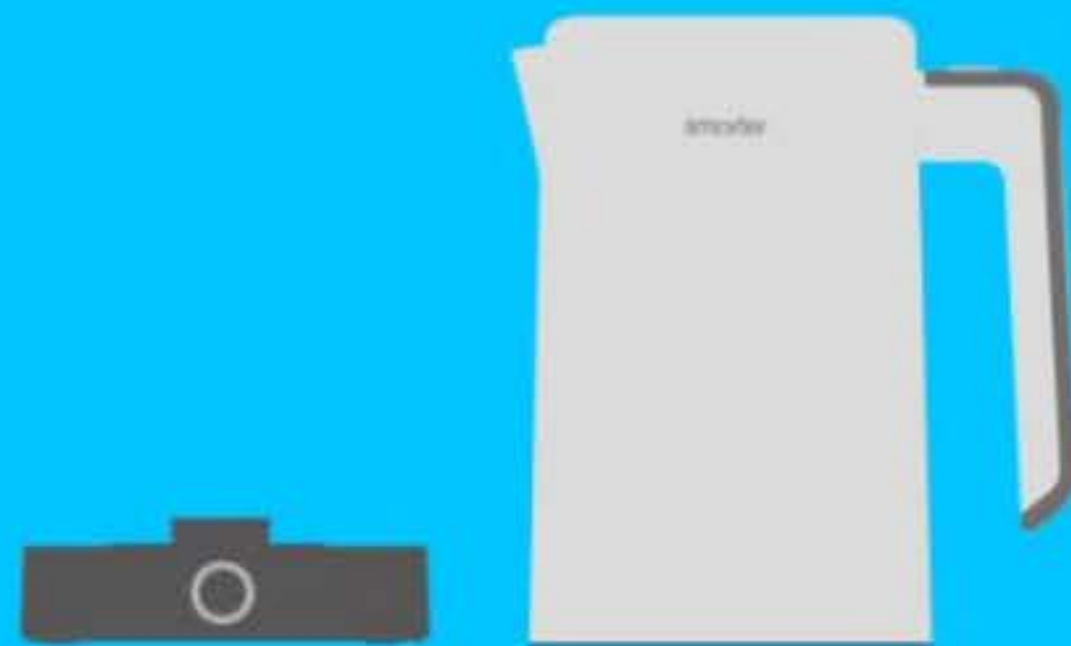
@markrittman

 Follow



Now my wifi kettle is basically taking the p*ss. Told me it had found network, now you need to recalibrate me, oh btw I didn't rly connect

Please remove the kettle body from the base and place on a hard, flat surface.



Please remove the kettle body from the base and place on a hard, flat surface.

Please ensure kettle jug is off the base when calibrating.

OK

handle side.



Not connected



Mark Rittman

@markrittman

Follow

3 hrs later and still no tea. Mandatory recalibration caused wifi base-station reset, now port-scanning network to find where kettle is now.

The screenshot shows two windows. The left window is 'Angry IP Scanner' with the IP range 192.168.2.0 to 192.168.2.255. It displays a list of scanned IP addresses and their hostnames. The right window is a terminal showing a Python script for controlling a kettle via a socket.

IP	Ping	Hostname	Filter
192.168.2.119	[n/a]	vmhost6.uk.rittman.co.uk	[n/a]
192.168.2.120	[n/a]	[n/a]	[n/a]
192.168.2.121	[n/a]	[n/a]	[n/a]
192.168.2.122	13 ms	laserjet.uk.rittman.co.uk	[n/a]
192.168.2.123	[n/a]	[n/a]	[n/a]
192.168.2.124	[n/a]	[n/a]	[n/a]
192.168.2.125	[n/a]	[n/a]	[n/a]
192.168.2.126	[n/a]	[n/a]	[n/a]
192.168.2.127	[n/a]	[n/a]	[n/a]
192.168.2.128	[n/a]	bigdatalite42node2.uk.rittman.co.uk	[n/a]
192.168.2.129	[n/a]	[n/a]	[n/a]
192.168.2.130	[n/a]	[n/a]	[n/a]
192.168.2.131	[n/a]	[n/a]	[n/a]
192.168.2.132	[n/a]	[n/a]	[n/a]
192.168.2.133	[n/a]	[n/a]	[n/a]
192.168.2.134	[n/a]	endeca.uk.rittman.co.uk	[n/a]
192.168.2.135	[n/a]	em12c.uk.rittman.co.uk	[n/a]
192.168.2.136	[n/a]	monitor01.uk.rittman.co.uk	[n/a]
192.168.2.137	[n/a]	[n/a]	[n/a]
192.168.2.138	3 ms	[n/a]	[n/a]
192.168.2.139	[n/a]	elk.uk.rittman.co.uk	[n/a]
192.168.2.140	[n/a]	[n/a]	[n/a]
192.168.2.141	[n/a]	[n/a]	[n/a]
192.168.2.142	[n/a]	[n/a]	[n/a]
192.168.2.143	[n/a]	obiademo.uk.rittman.co.uk	[n/a]
192.168.2.144	[n/a]	oel6-client.uk.rittman.co.uk	[n/a]
192.168.2.145	[n/a]	[n/a]	[n/a]
192.168.2.146	[n/a]	obi11117w64.uk.rittman.co.uk	[n/a]
192.168.2.147	[n/a]	[n/a]	[n/a]
192.168.2.148	[n/a]	[n/a]	[n/a]
192.168.2.149	[n/a]	[n/a]	[n/a]

```
# Domoticz Settings
server = "domoticz:welcome1@192.168.2.226:8080"

# iKettle 2 Settings
host = "192.168.2.91";
port = 2081;

# Kettle Control ----- Start
if sys.argv[1] == "control":
    if sys.argv[2] == "on40":
        message_to_send = "\x15\x28\x00\x7e"
    if sys.argv[2] == "on60":
        message_to_send = "\x15\x3C\x00\x7e"
    if sys.argv[2] == "on80":
        message_to_send = "\x15\x50\x00\x7e"
    if sys.argv[2] == "on100":
        message_to_send = "\x21\x7e"
    if sys.argv[2] == "on":
        message_to_send = "\x21\x7e"
    if sys.argv[2] == "off":
        message_to_send = "\x16"

    try:
        s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        s.connect((host, port))
        s.send(message_to_send)
        data = s.recv(10)
        s.close()
    except socket.error, msg:
        print 'Failed to create socket. Error code: ' + str(msg[0]) + ', Error message: ' + msg[1]

    sys.exit();
    return_code = unicode(data)
    success=0
    message=""
    if return_code == "\x03\x00~":
        success=1
        message="Kettle has received the command."
    else:
        message="check kettle"
    print message
```




Mark Rittman

@markrittman

 Follow



Well the kettle is back online and responding to voice control, but now we're eating dinner in dark while lights download a firmware update



Michael Laccetti

@mlaccetti

 Follow



Replying to @markrittman

At this point, I'm desperate to avoid this future at all costs.



Phil A. Buster

@onekade

 Follow



Replying to @markrittman

why don't you just get normal fucking kettle

**“ AUTOMATED YET DISTRACTING.
BOASTFUL YET MEDIOCRE.
CONFIDENT YET WRONG.”**

Fast Company product review

<https://www.fastcodesign.com/3065667/this-1500-toaster-oven-is-everything-thats-wrong-with-silicon-valley-design>

**HOW DO WE USE
TECHNOLOGY
IN A WAY THAT IT
WANTS TO BE USED?**

**HOW DO WE USE
TECHNOLOGY
IN A WAY THAT
ADDS MEANING?**

**HOW DO WE USE
TECHNOLOGY
TO AMPLIFY
HUMAN POTENTIAL?**

MACHINE

LEARNING IS A

DESIGN MATERIAL

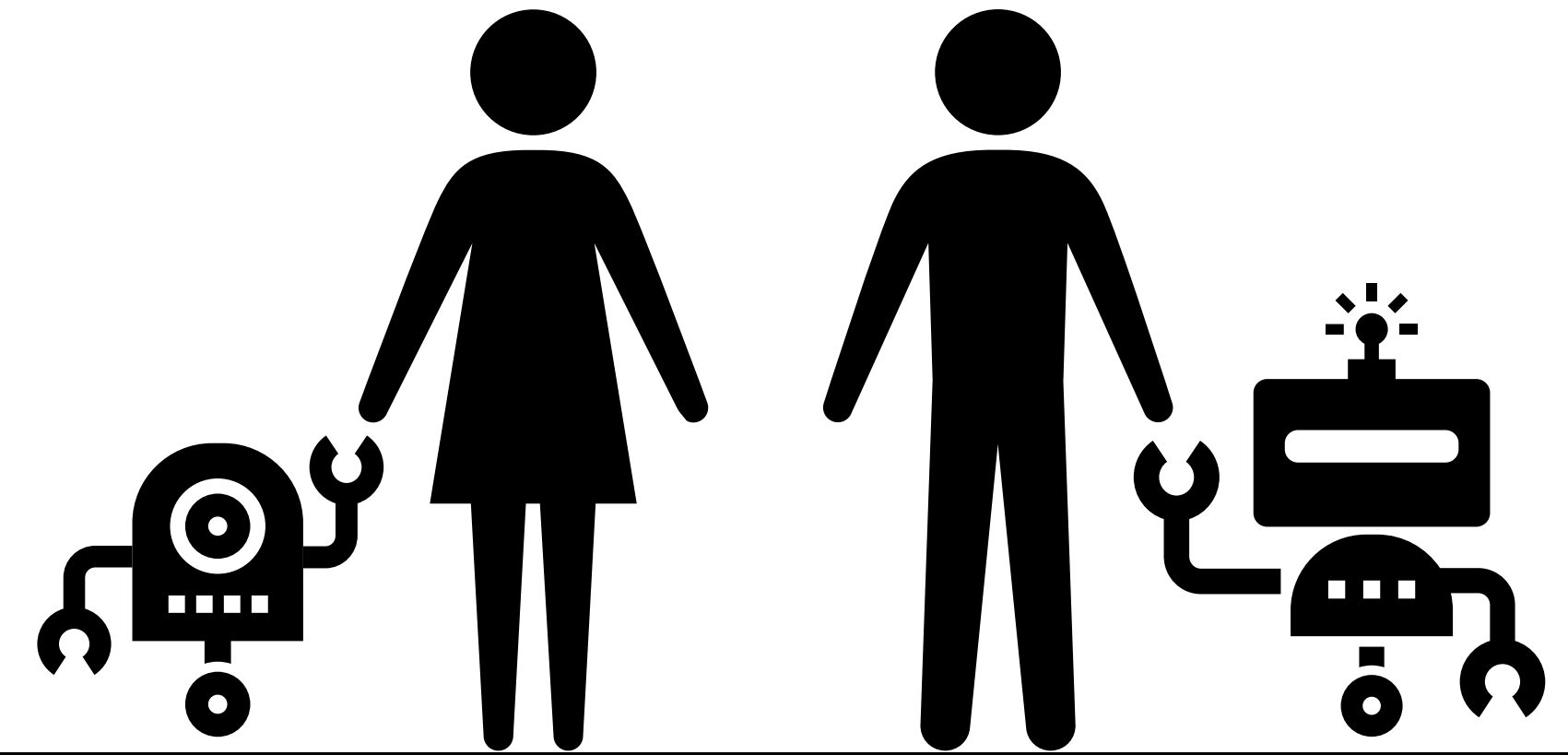
DESIGN MATERIAL

WHAT CAN IT DO?

WHAT IS ITS GRAIN?

HOW DOES IT CHANGE US?

one: what can it do?



WHY TEAM UP WITH MACHINE LEARNING?

WHAT IF WE COULD
DETECT PATTERNS
IN ANYTHING,
AND **ACT ON THEM?**

5 APPLICATIONS

4 QUESTIONS

1. RECOMMENDATION

2. PREDICTION

3. CLASSIFICATION

4. CLUSTERING

5. GENERATION



🔍 hiring process



Search Results

Recent

Relevant



Messages (250)

Files (32)

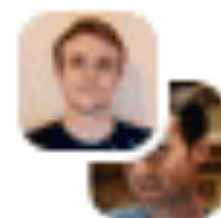
Include: everything I can access in Slack Corp ▾

People & Channels

People who talk about **hiring process** ▾



Isabella Tromba in [#campus-recruiting](#)



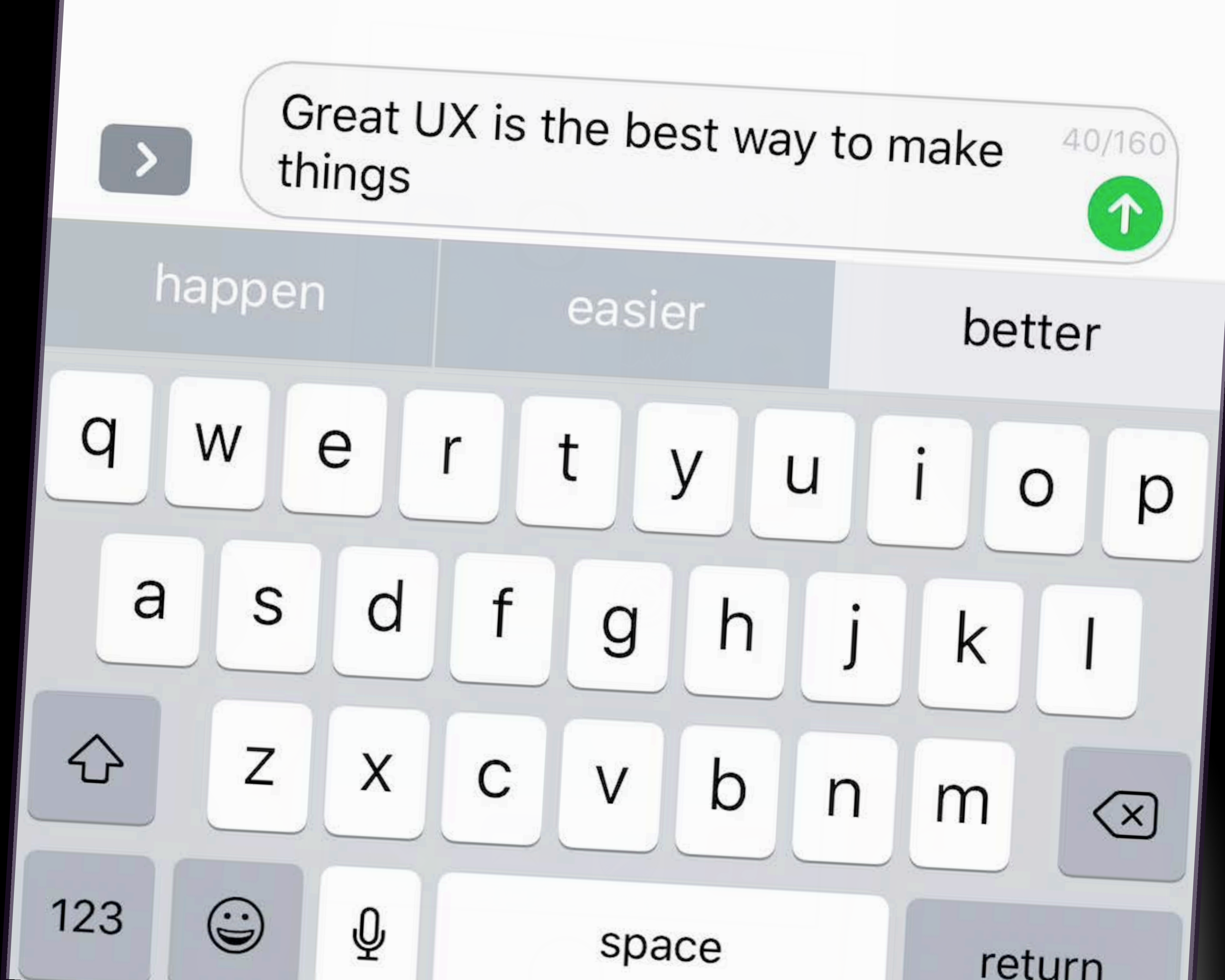
John Gallagher and Jason Liszka in [#candidate-pipeline](#)



Jason Liszka in [#team-hiring-](#)

RECOMMENDATION

PREDICTION



Great UX is the best way to make things

40/160



happen

easier

better

q

w

e

r

t

y

u

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d

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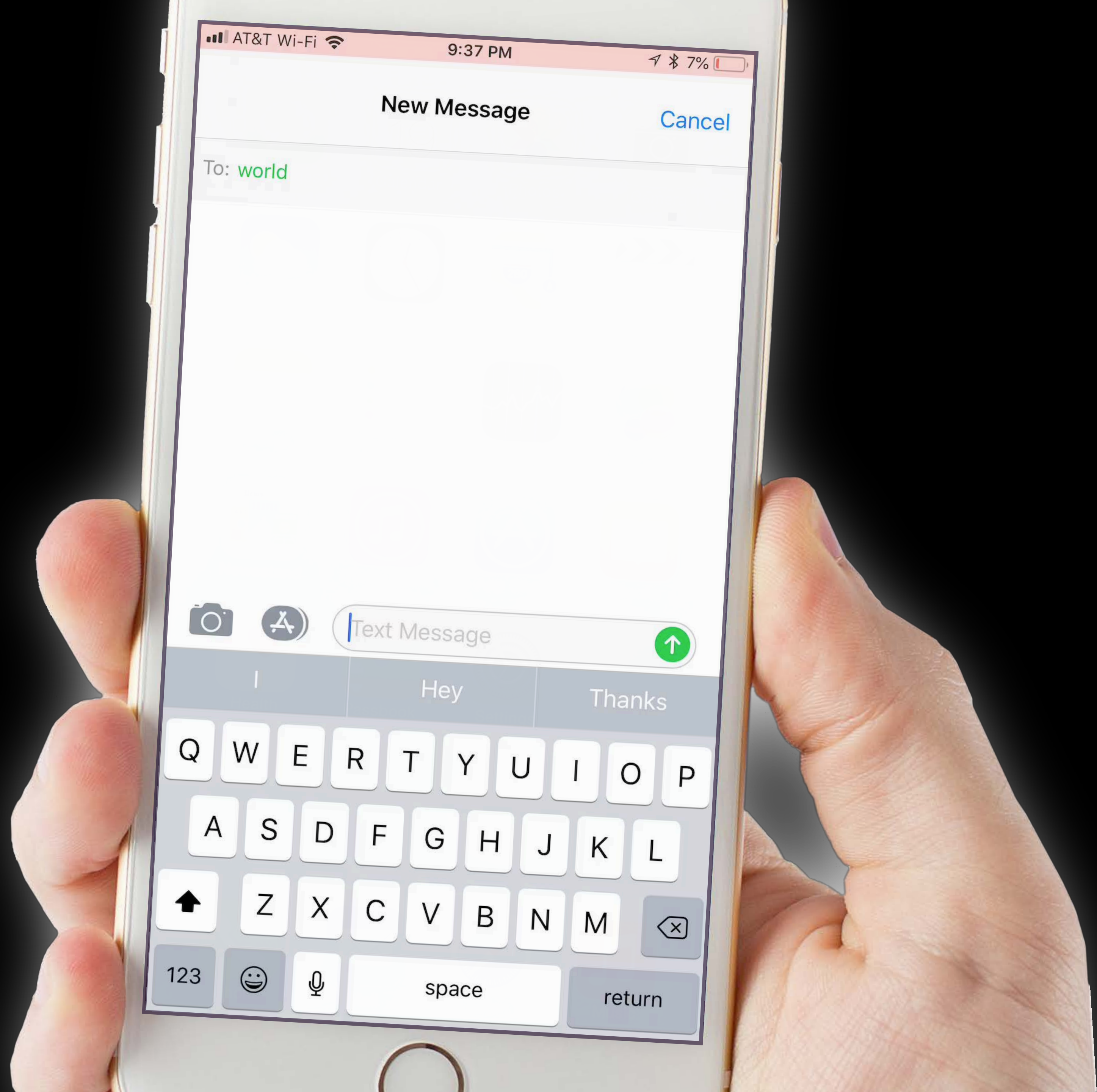
123



space

return

PREDICTION





QUESTIONS

RESPONSES

Kitchen Gadget Survey

What have the robots done to your kitchen?

Question

Option 1

Add option or [ADD "OTHER"](#)

- Short answer
- Paragraph
- Multiple choice
- Checkboxes
- Dropdown
- File upload
- Linear scale
- Multiple choice grid
- Checkbox grid
- Date
- Time

- +
- Tt
-
-
-

CLASSIFICATION

**GET COZY WITH
CASUAL USES OF
MACHINE
LEARNING**

**“LET’S SPRINKLE A
LITTLE MACHINE
LEARNING ON IT.”**

Josh Clark

CLUSTERING

Organize and group things
(people, concepts, transactions)
according to their affinities
and differences

CLUSTERING

IDENTIFY

INVISIBLE

PATTERNS

CLUSTERING + GENERATION

ROCKING CHAIR

knitter sitter

STAR WARS

droid overjoyed

COOKIE

naughty biscotti

LINCOLN

desegregation oration

CANINE

combats cats

BOLLYWOOD

hindi indie

STOPWATCH

clocks jocks

1. RECOMMENDATION

2. PREDICTION

3. CLASSIFICATION

4. CLUSTERING

5. GENERATION



Can a neural network learn to recognize doodling?

Help teach it by adding your drawings to the [world's largest doodling data set](#), shared publicly to help with machine learning research.

Let's Draw!

CLASSIFICATION

← Back

You were asked to draw flip flops

You drew this, and the neural net recognized it.



It also thought your drawing looked like these:

Correct match
flip flops



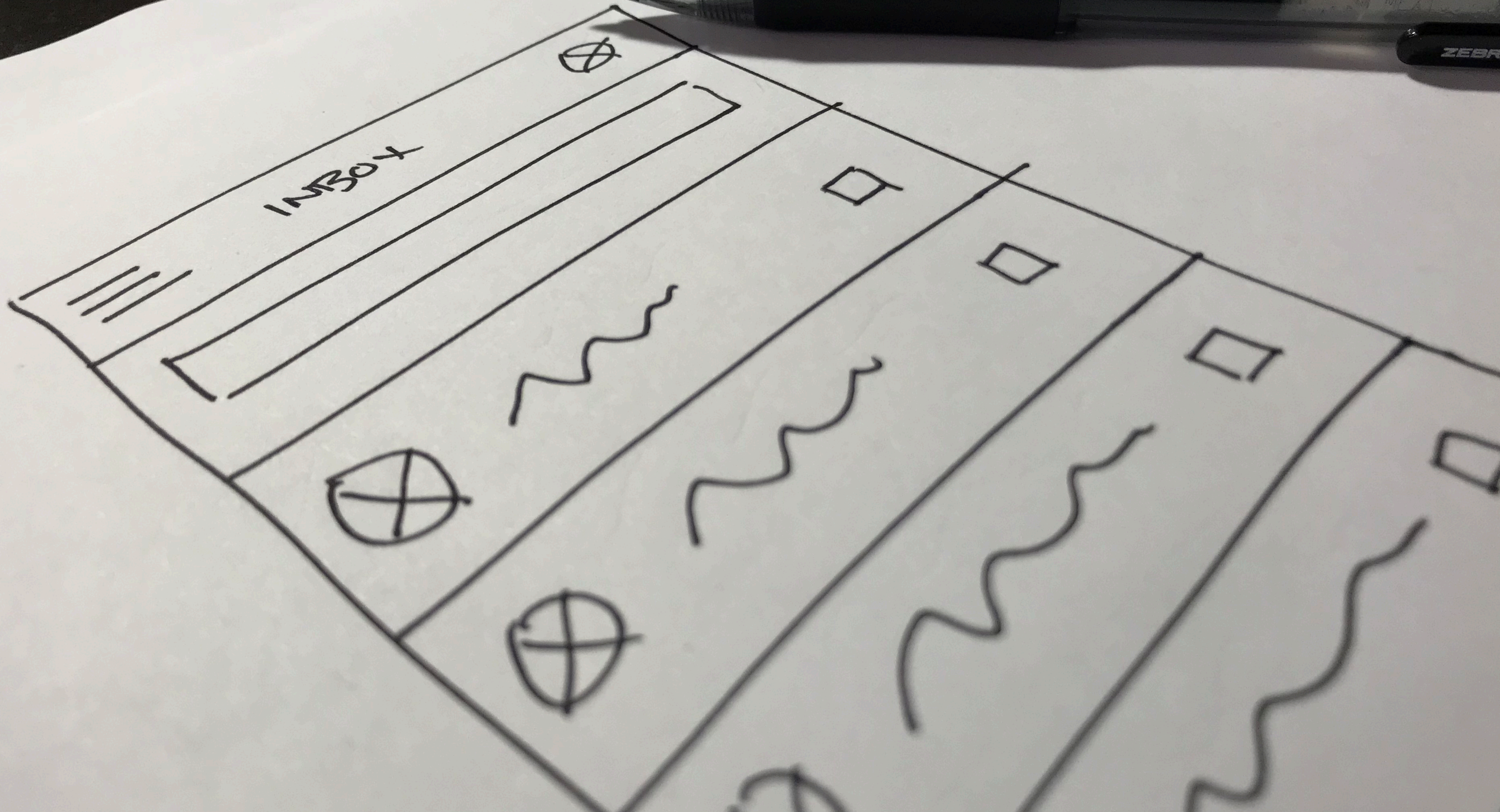
2nd closest match
potato



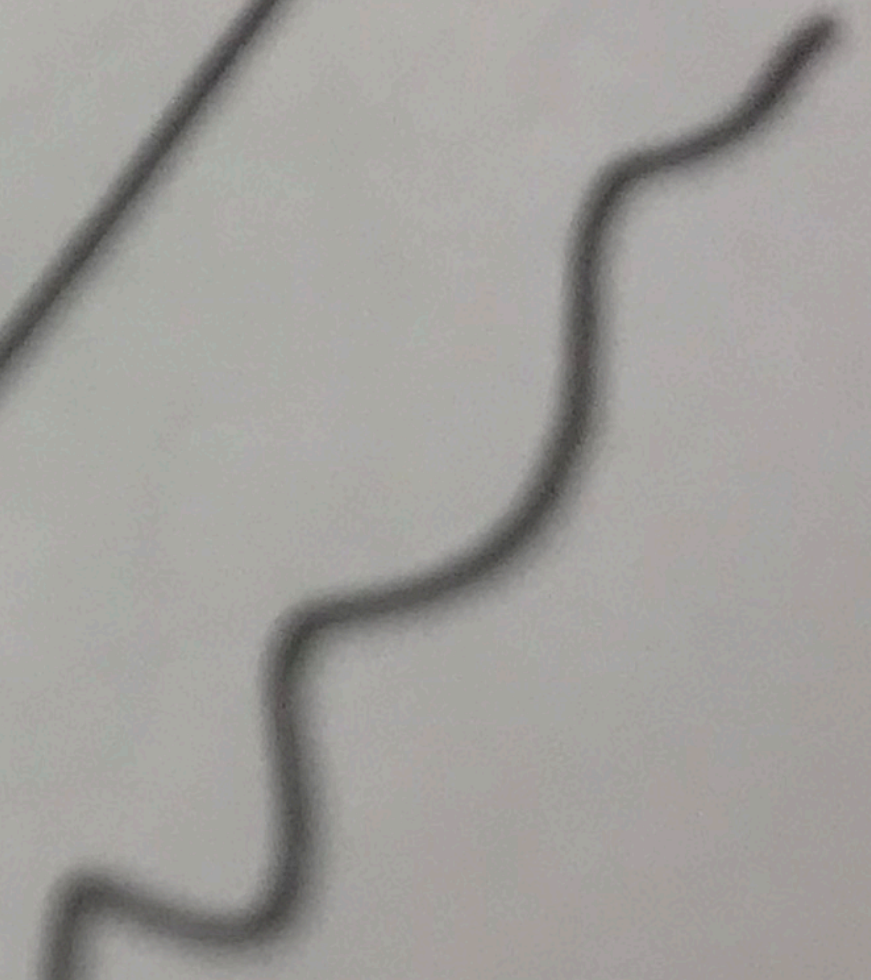
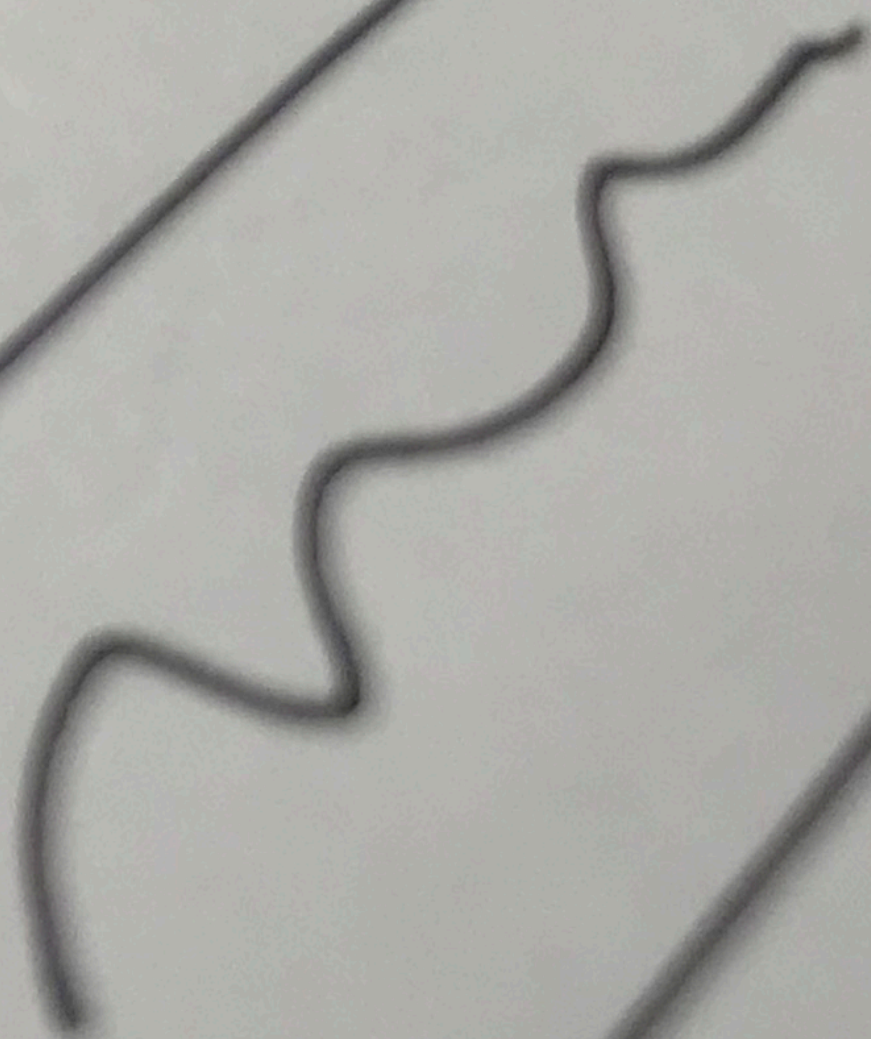
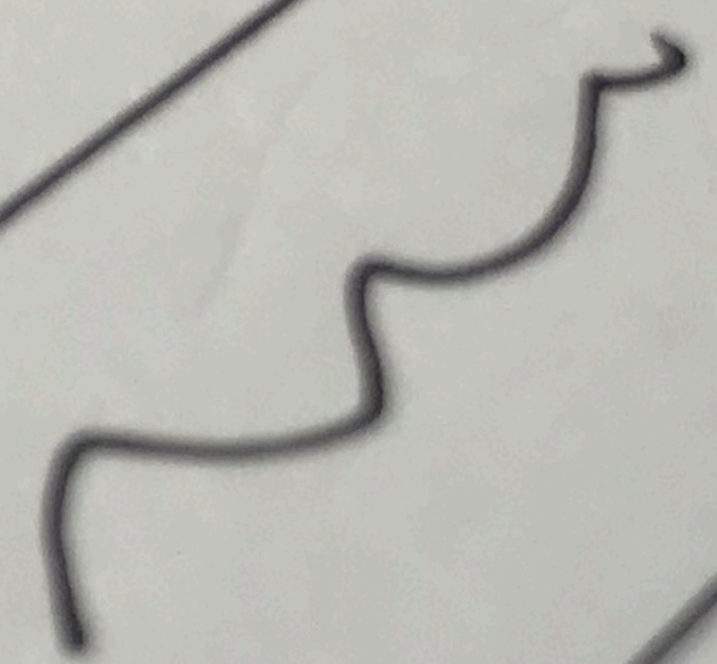
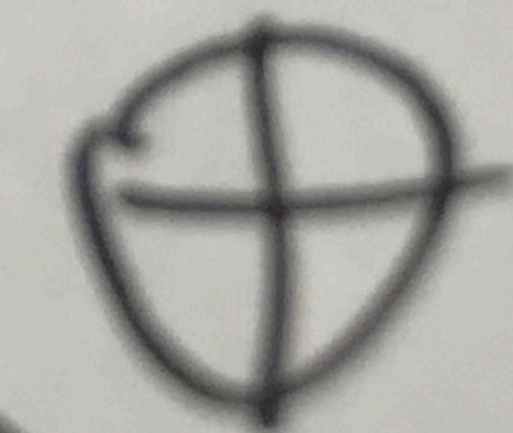
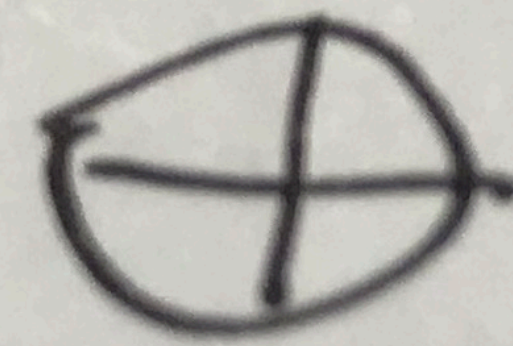
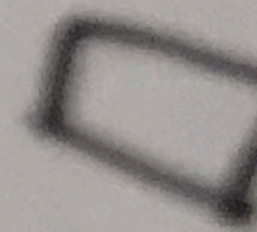
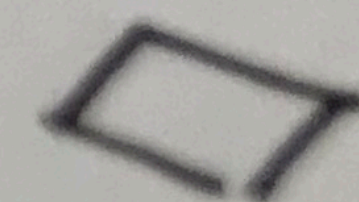
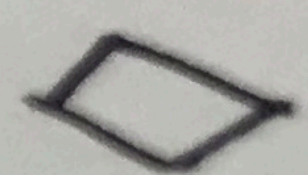
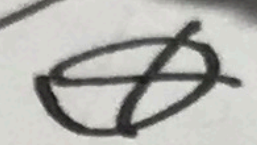
3rd closest match
bread



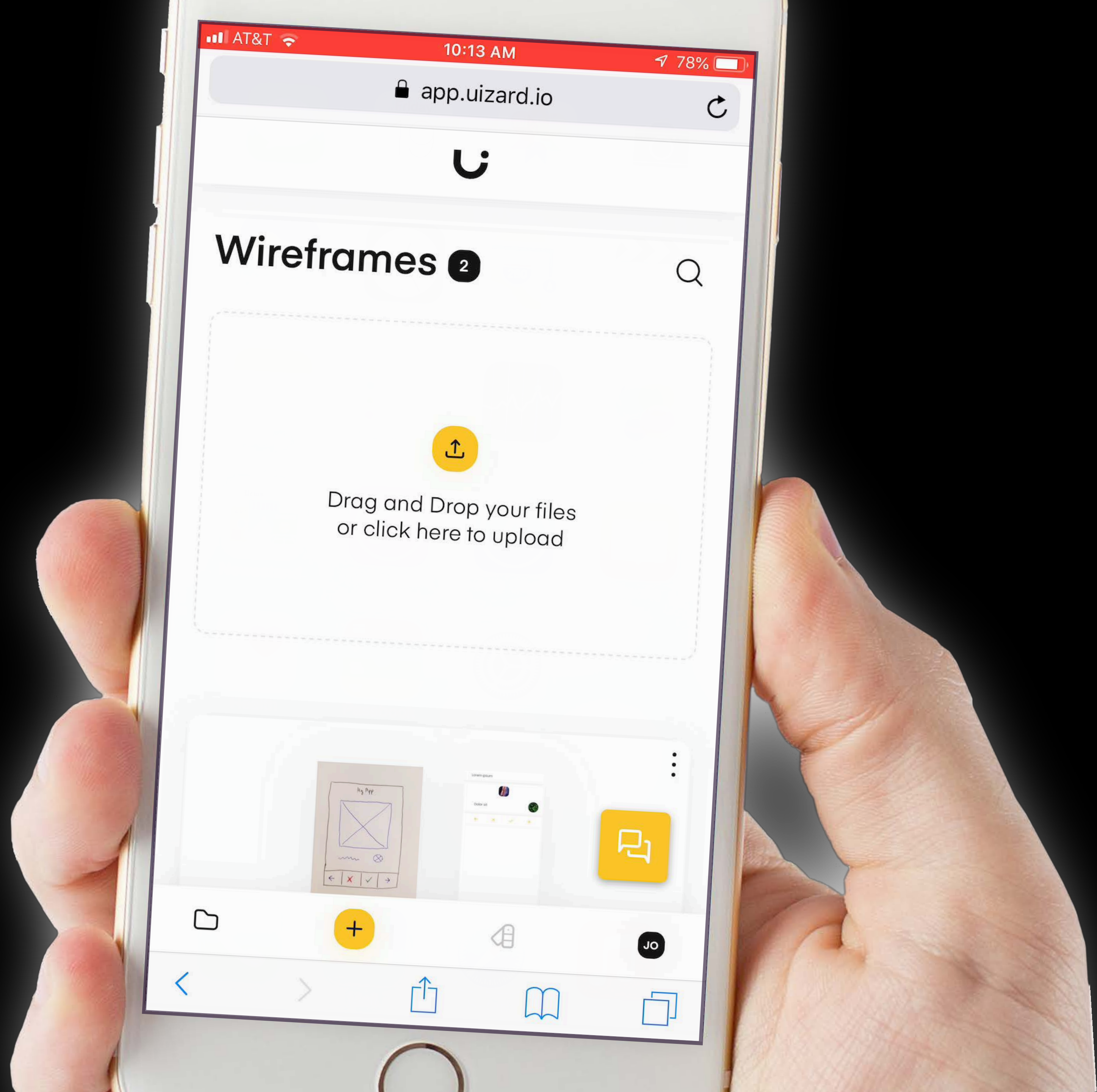
CLASSIFICATION



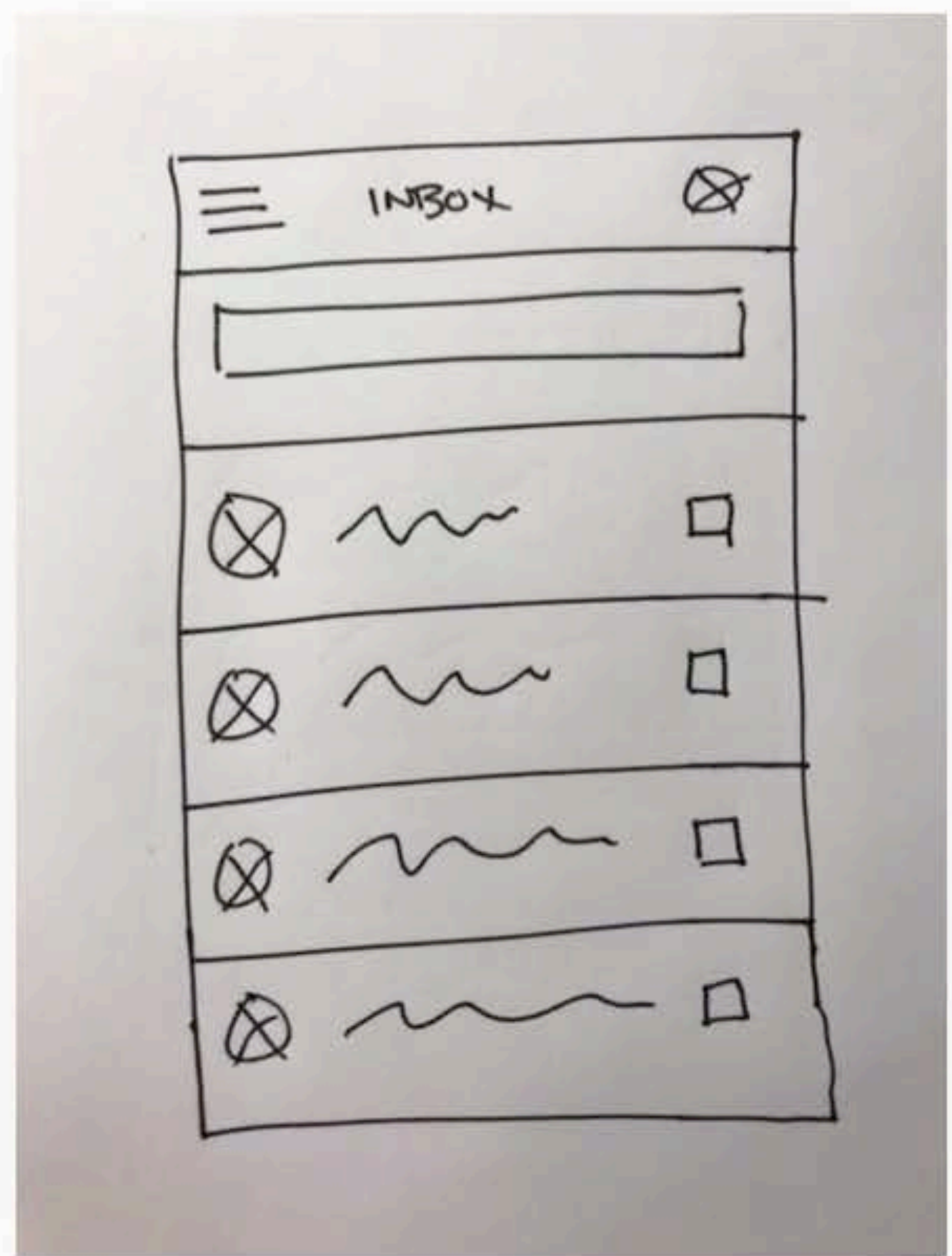
INBOX



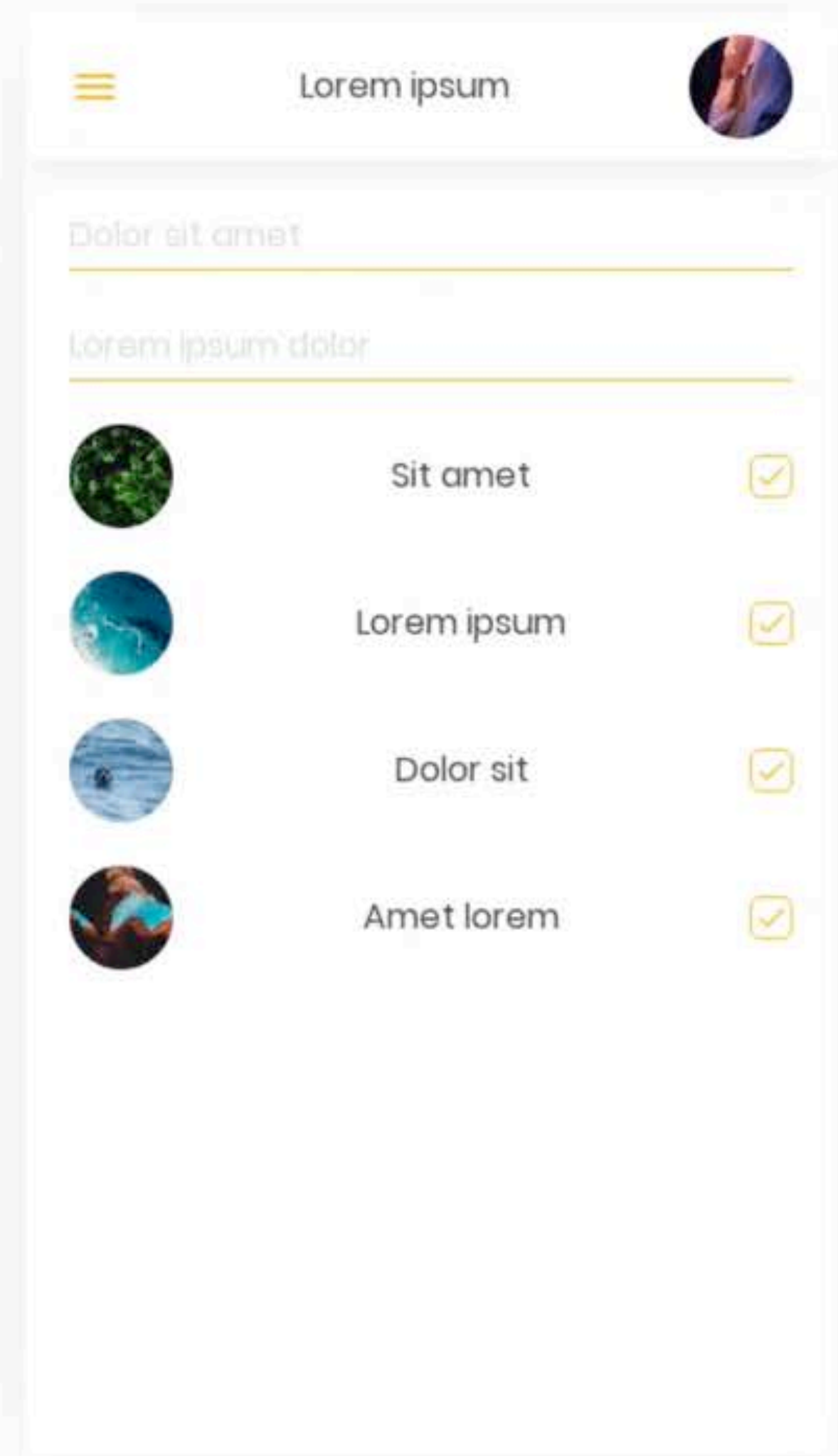
GENERATION CLASSIFICATION



ORIGINAL



PREVIEW



Overview

FILE NAME

Inbox home

PROJECT NAME

Personal Project

AUTHOR

JO josh@bigmedium.com 18m

STYLE GUIDE

 Uizard

DOWNLOADS

SKETCH 

HTML & CSS 



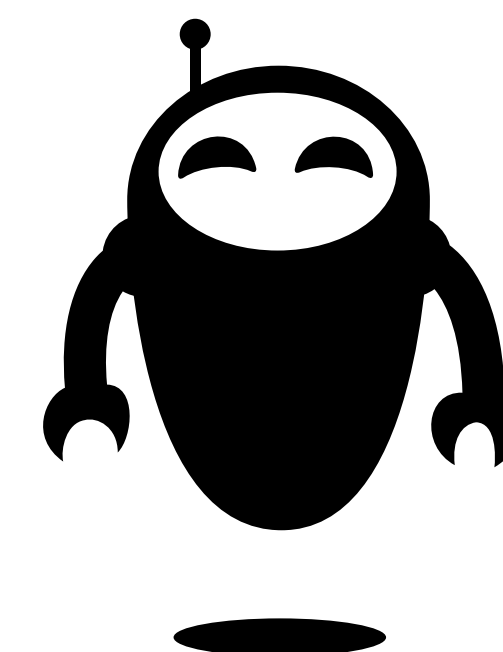
How useful is this conversion?

375x667px



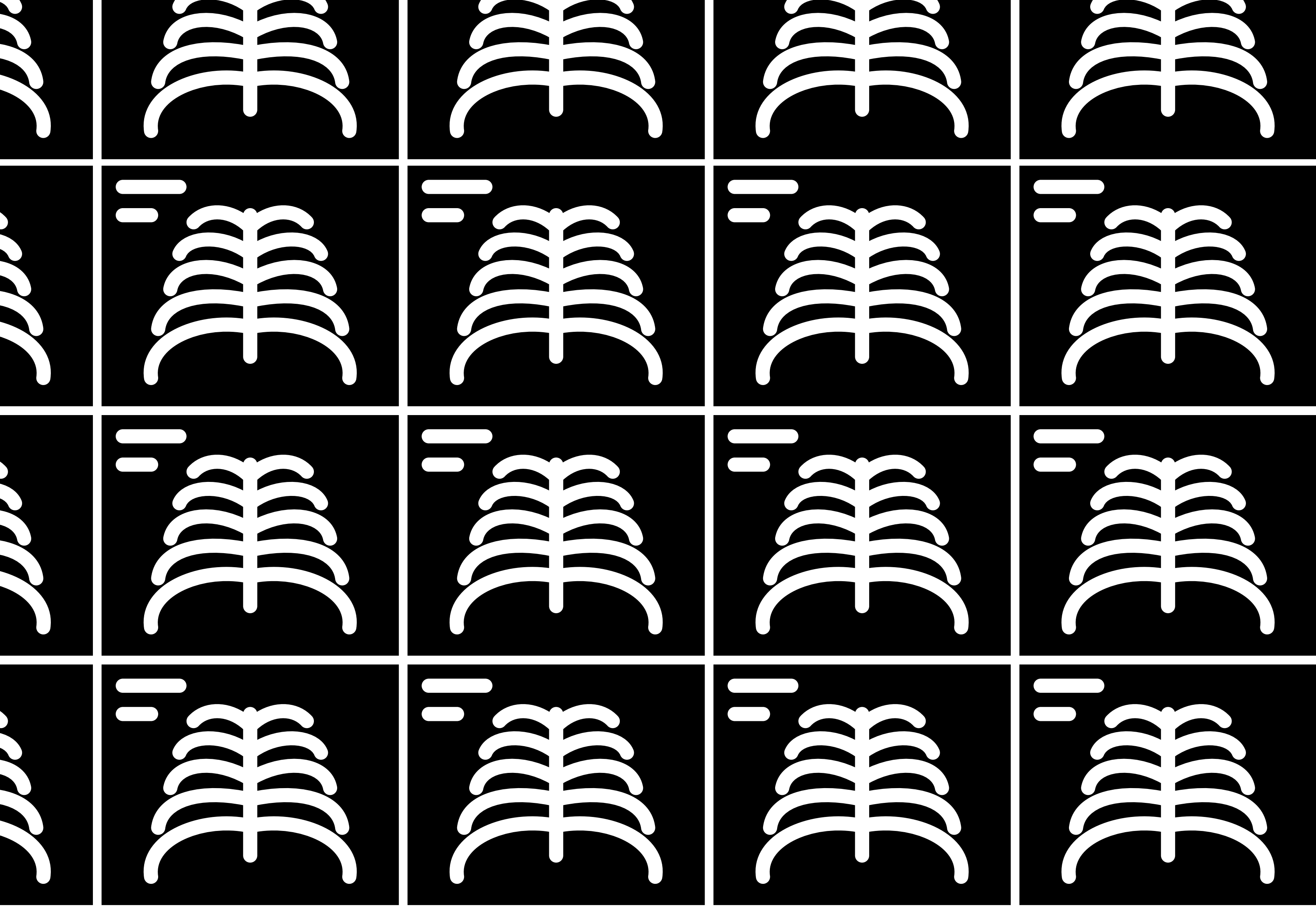
<https://airbnb.design/sketching-interfaces/>

**GIVE ME A HEADER WITH A
NAVIGATION BAR,
FOLLOWED BY A
CAROUSEL AND A HERO
IMAGE, PLEASE.**



TIME-CONSUMING
REPETITIVE
DETAIL-ORIENTED
ERROR-PRONE
JOYLESS





**LET PEOPLE DO
WHAT THEY DO BEST**

**LET MACHINES DO
WHAT THEY DO BEST**

**FOCUS
ATTENTION AND
JUDGMENT**

WHAT IF WE COULD
DETECT PATTERNS
IN ANYTHING,
AND **ACT ON THEM?**

1.

**BE SMARTER
WITH QUESTIONS
WE ALREADY ASK**

2.

**ASK ENTIRELY
NEW KINDS OF
QUESTIONS**

3.

**UNLOCK NEW
SOURCES OF
DATA**

4.

SURFACE

INVISIBLE

PATTERNS

1. BETTER ANSWERS

2. NEW QUESTIONS

3. NEW DATA SOURCES

4. INVISIBLE PATTERNS

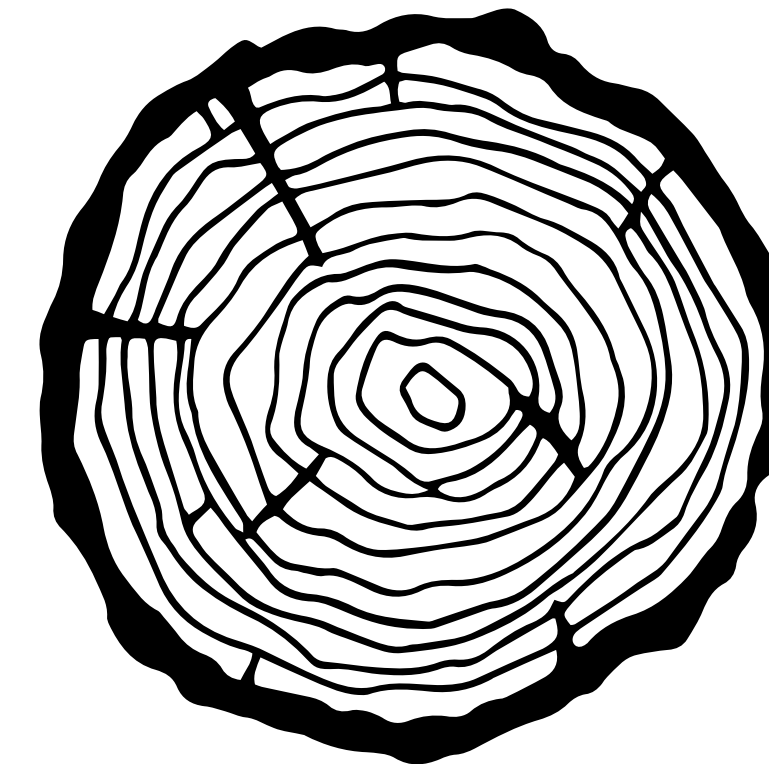
THE JOB OF UX:

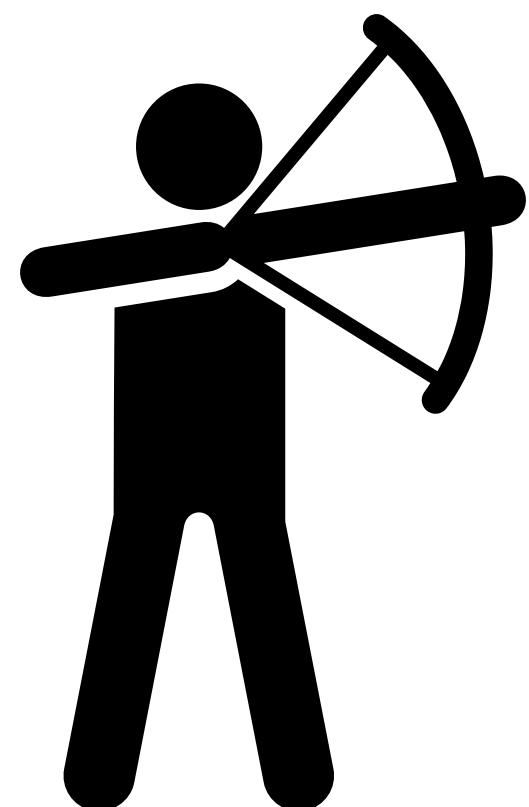
POINT A.I. AT

PROBLEMS

WORTH SOLVING

two: what is its grain?





**WHAT IS THE
SWEET SPOT OF
MACHINE LEARNING?**

the “grain” of machine learning

- **WEIRDNESS**
- **NARROW DOMAINS**
- **OPAQUE LOGIC**
- **PROBABILISTIC RESULTS**
- **PEGGED TO “NORMAL”**

1.

**THE MACHINES
ARE WEIRD**



**14,000
BRAIN HOURS**

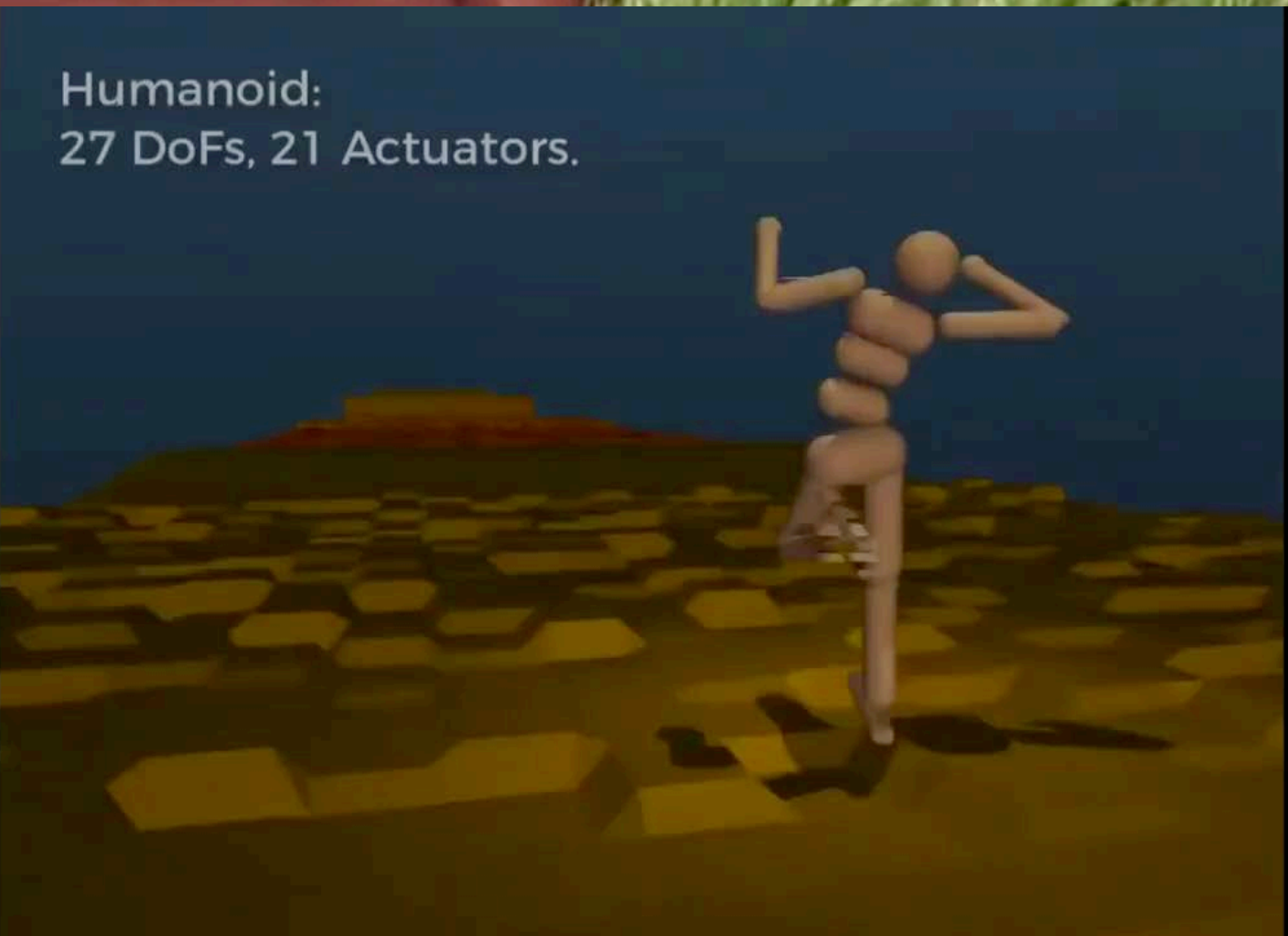


Eron Gjoni

twitter.com/eron_gj/status/967672260147470336



Humanoid:
27 DoFs, 21 Actuators.



Prancerise
youtu.be/o-50GjySwew

**THE MACHINES
ARE WEIRD**

WE ARE WEIRD

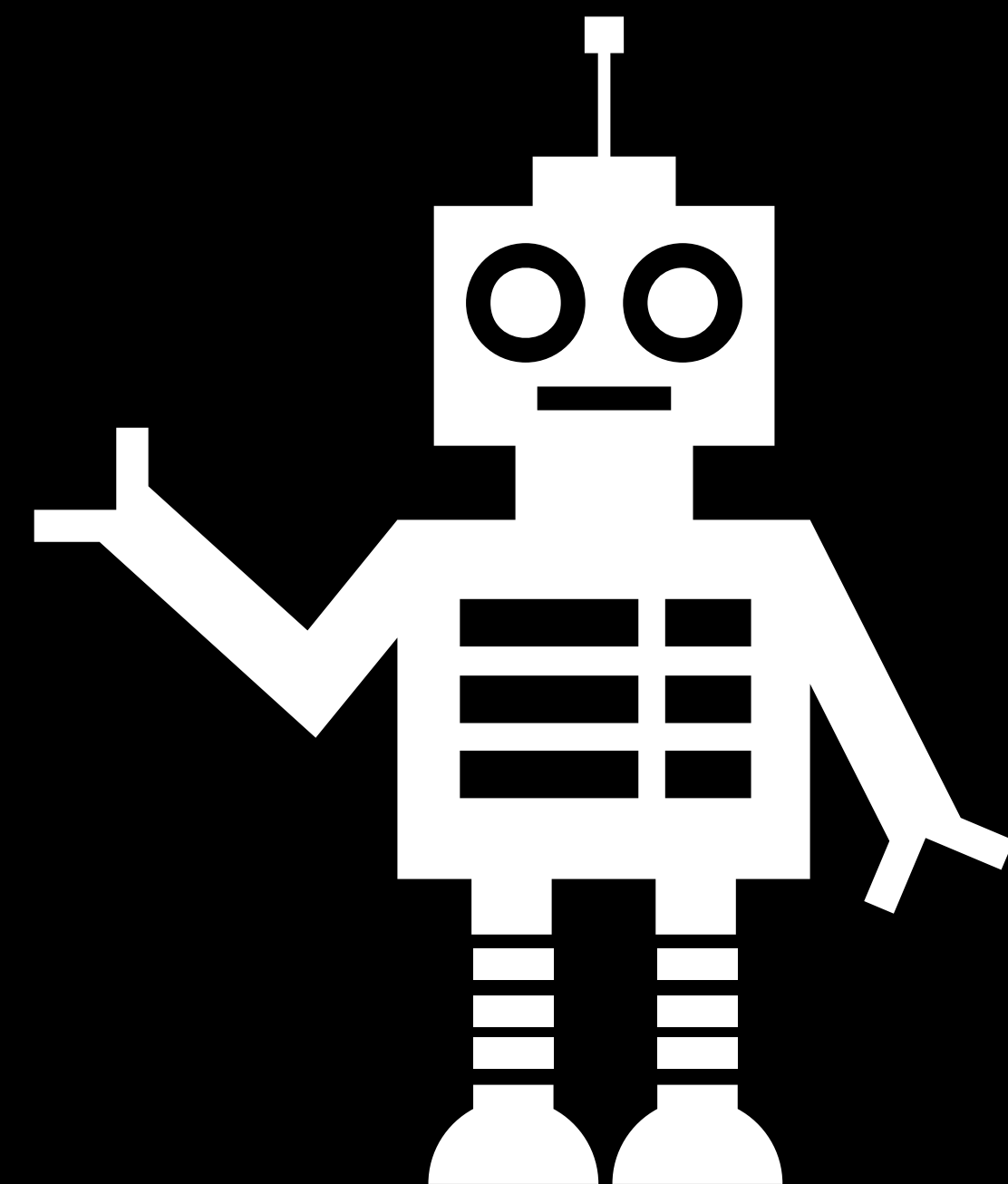


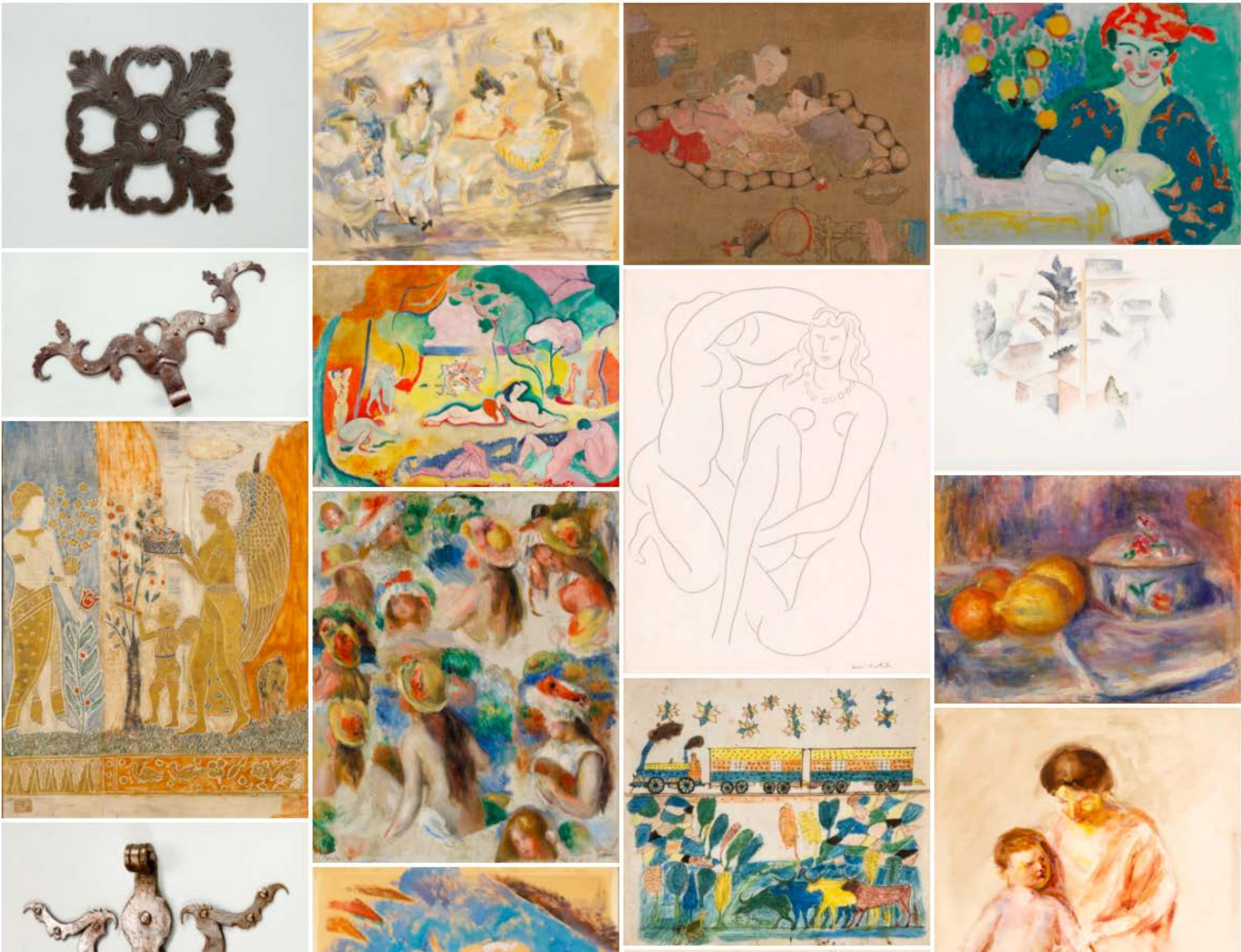
Young Mother
Pierre-Auguste Renoir
Barnes Foundation



A BOY HOLDING A TEDDY BEAR

Young Mother
Pierre-Auguste Renoir
Barnes Foundation







This gets you thinking
and making connections;

It's this magic
that we want to keep.

Shelley Bernstein
Barnes Foundation

the machines are weird, so...

**DRAW INSIGHT
FROM THE
UNEXPECTED**



B.J. May

@bjmay

Follow



My @nest doorbell automatically locks the front door when it sees a face it doesn't recognize. Today it didn't recognize me, so I went into the app to investigate and...



New people seen



Today, 5:27 PM
Front Door

1 of 1

Do you know this person?



NO



YES



Today, 5:27 PM
Front Door

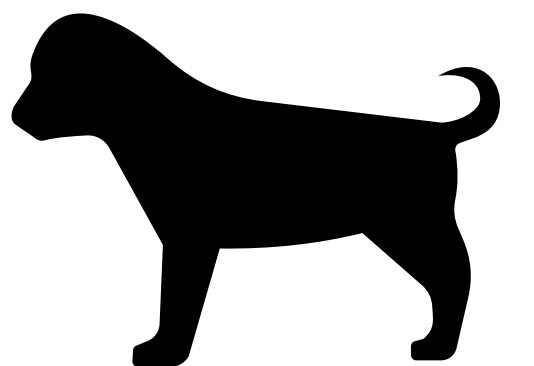
the machines are weird, so...

**DESIGN FOR
FAILURE AND
UNCERTAINTY**

**OUR JOB IS TO SET
EXPECTATIONS
AND CHANNEL
BEHAVIOR**

B.A.S.A.A.P.*

* be as smart as a puppy



“ MAKING SMART THINGS THAT
DON'T TRY TO BE TOO SMART
AND [THAT] MAKE **ENDEARING**
FAILURES IN THEIR ATTEMPTS
TO LEARN AND IMPROVE.”

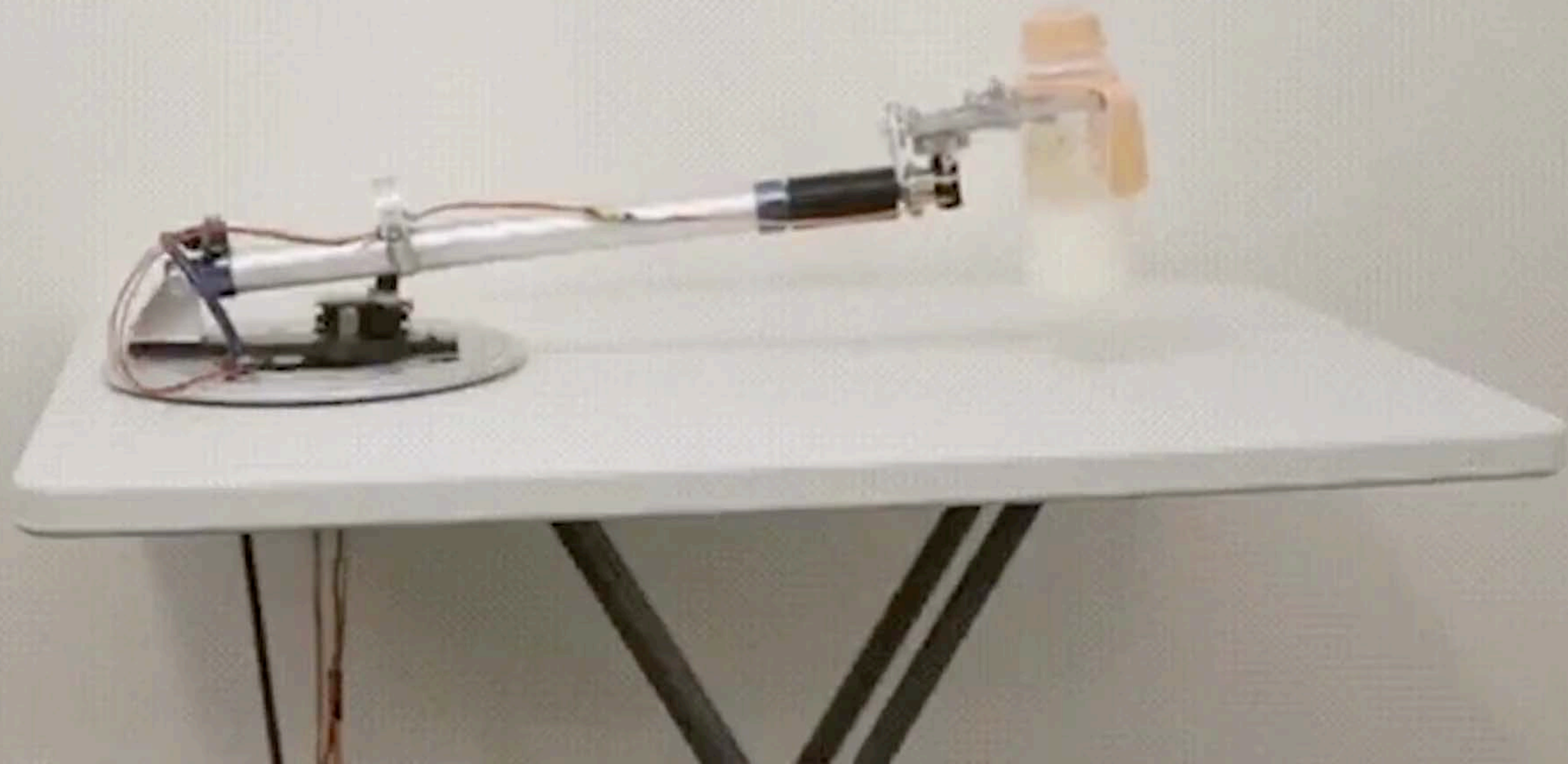


Matt Jones

berglondon.com/blog/2010/09/04/b-a-s-a-a-p/

TNT
CHANNEL





the machines are weird, so...

**MATCH LANGUAGE
AND MANNER TO
SYSTEM ABILITY**



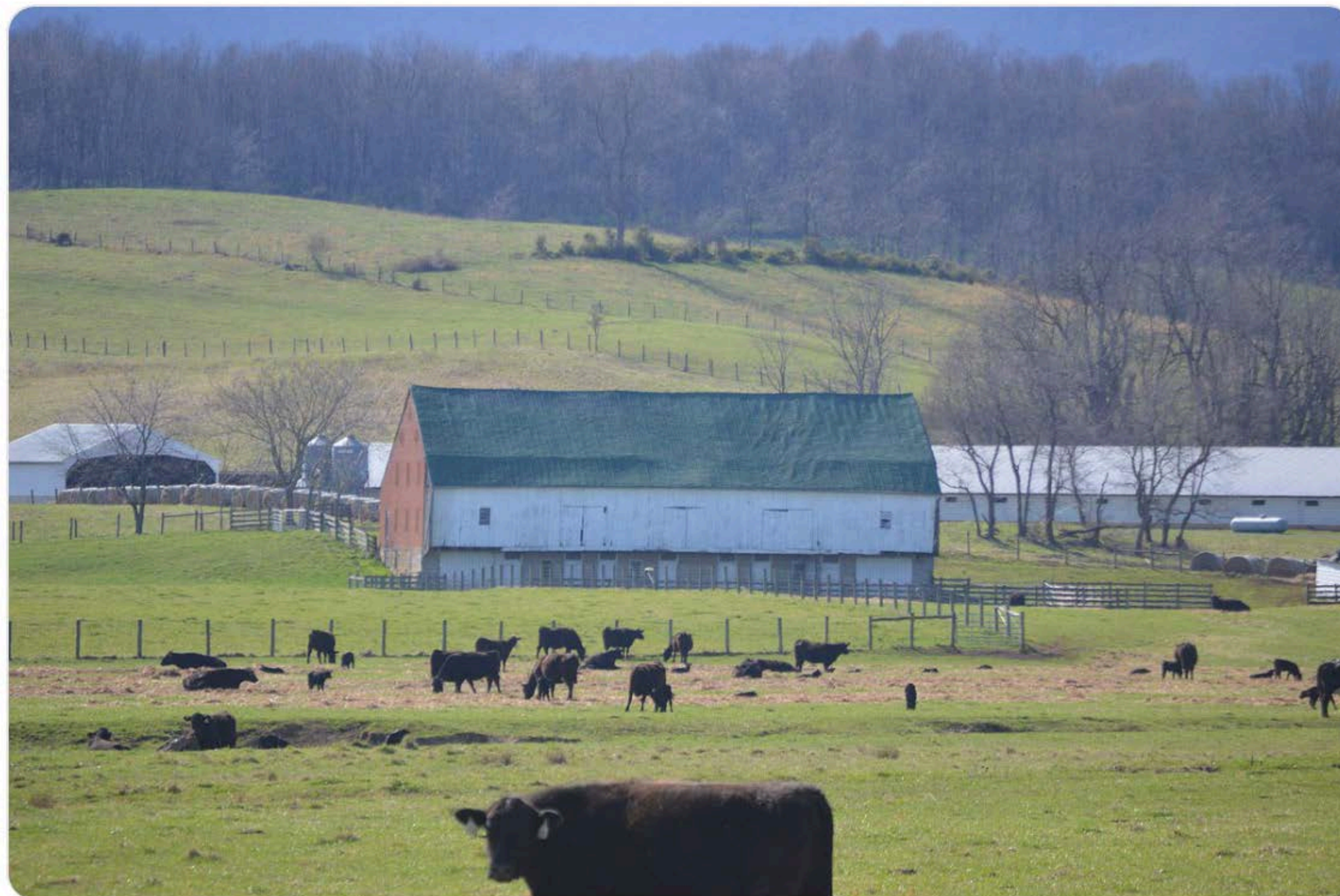
picdescbot

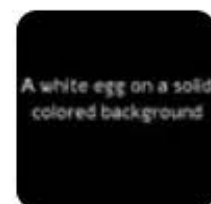
@picdescbot

Following



a herd of cattle grazing on a lush green field





picdescbot
@picdescbot

Following



a person holding a cell phone



**“ A PERSON HOLDING
A CELL PHONE”**

**“ A PERSON HOLDING
AN OBJECT”**

**“ A PERSON HOLDING
AN OBJECT
(MAYBE A CELL PHONE?)”**

**“ A PERSON HOLDING
AN OBJECT
(MAYBE A CELL PHONE?
OR GUITAR?
OR VIOLIN?)”**

2.

NARROW DOMAINS

Input



Output



Input



Output



Input



Output



horse → zebra



zebra → horse



apple → orange



CycleGAN

github.com/junyanz/CycleGAN

Input

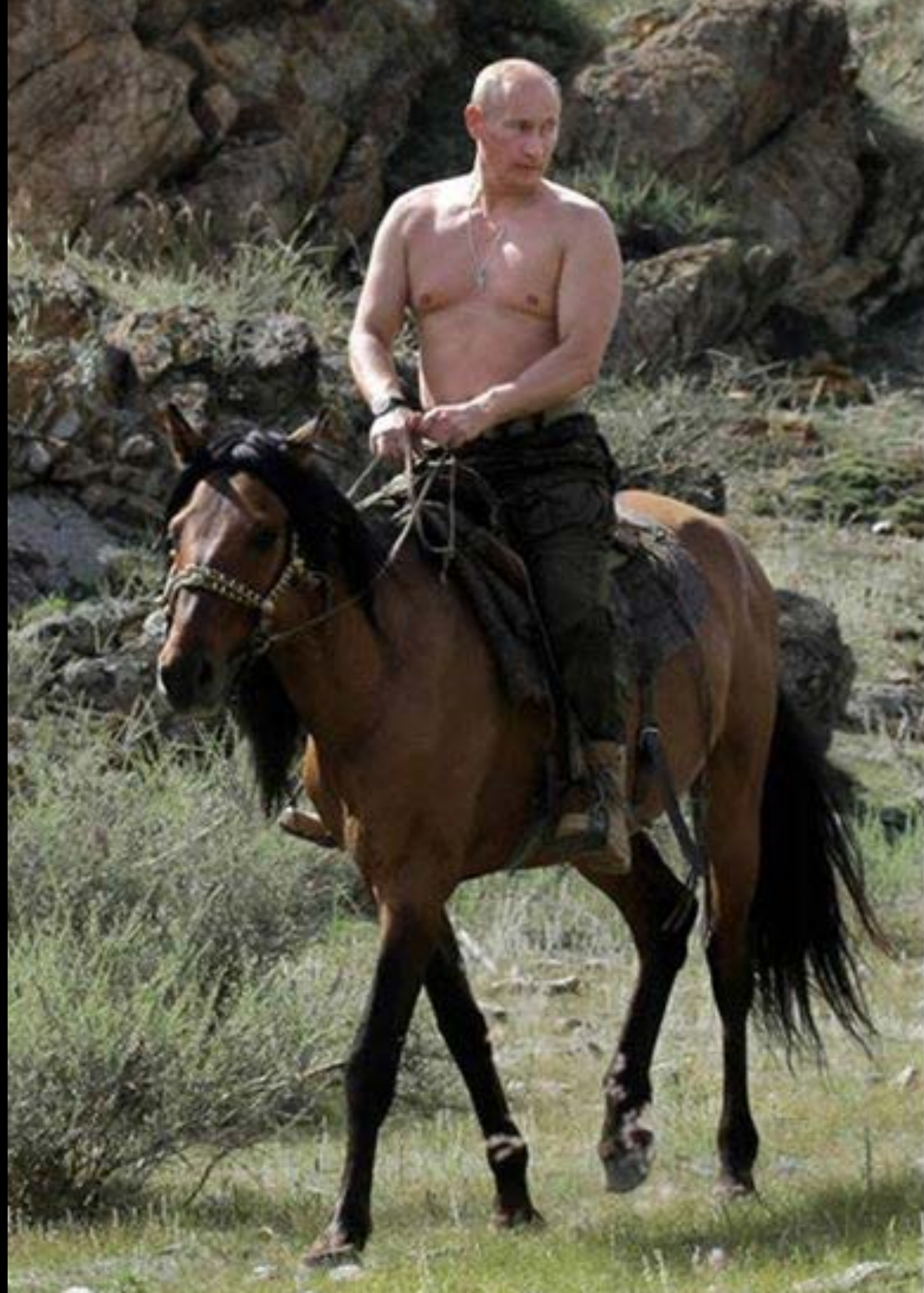


Output



CycleGAN

github.com/junyanz/CycleGAN



**THIS IS NOT REAL
INTELLIGENCE**

**“ THIS GIVES YOU
INFINITE INTERNS,
OR PERHAPS, INFINITE
TEN YEAR OLDS.”**

Benedict Evans

narrow domains do best, so...

SOLVE

NARROW

PROBLEMS

**NARROW
PROBLEMS DON'T
HAVE TO BE
SMALL PROBLEMS**

“

**WE CAN BUILD THESE
MODELS, BUT WE DON'T
KNOW HOW THEY WORK.”**

Deep Patient project leader Joel Dudley

<https://www.technologyreview.com/s/604087/the-dark-secret-at-the-heart-of-ai/>

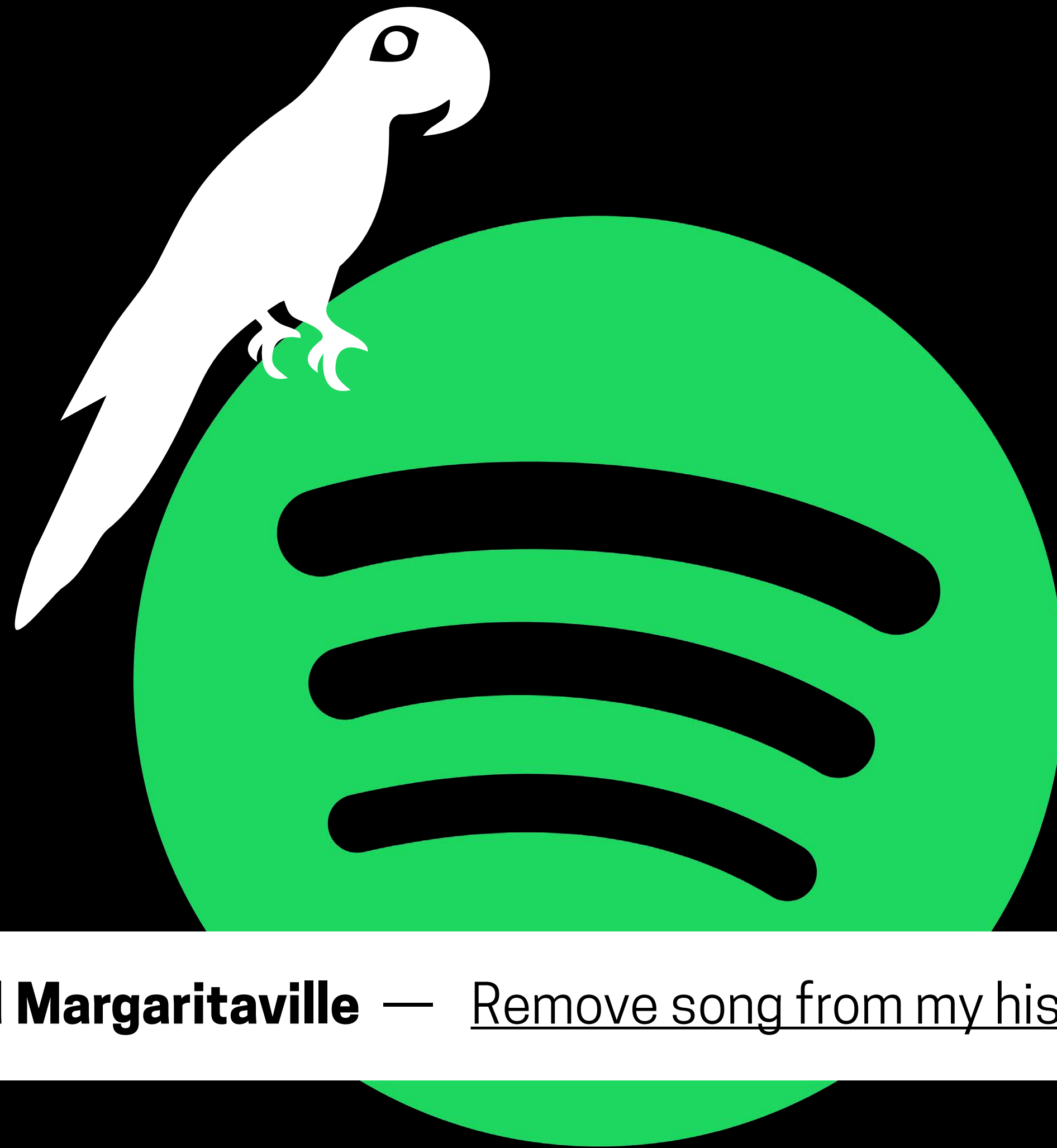
3.

OPAQUE LOGIC



the logic is opaque, so...

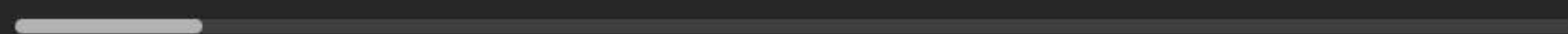
**HELP PEOPLE
FORM A USEFUL
MENTAL MODEL**



Skipped **Margaritaville** — [Remove song from my history](#)



0:42



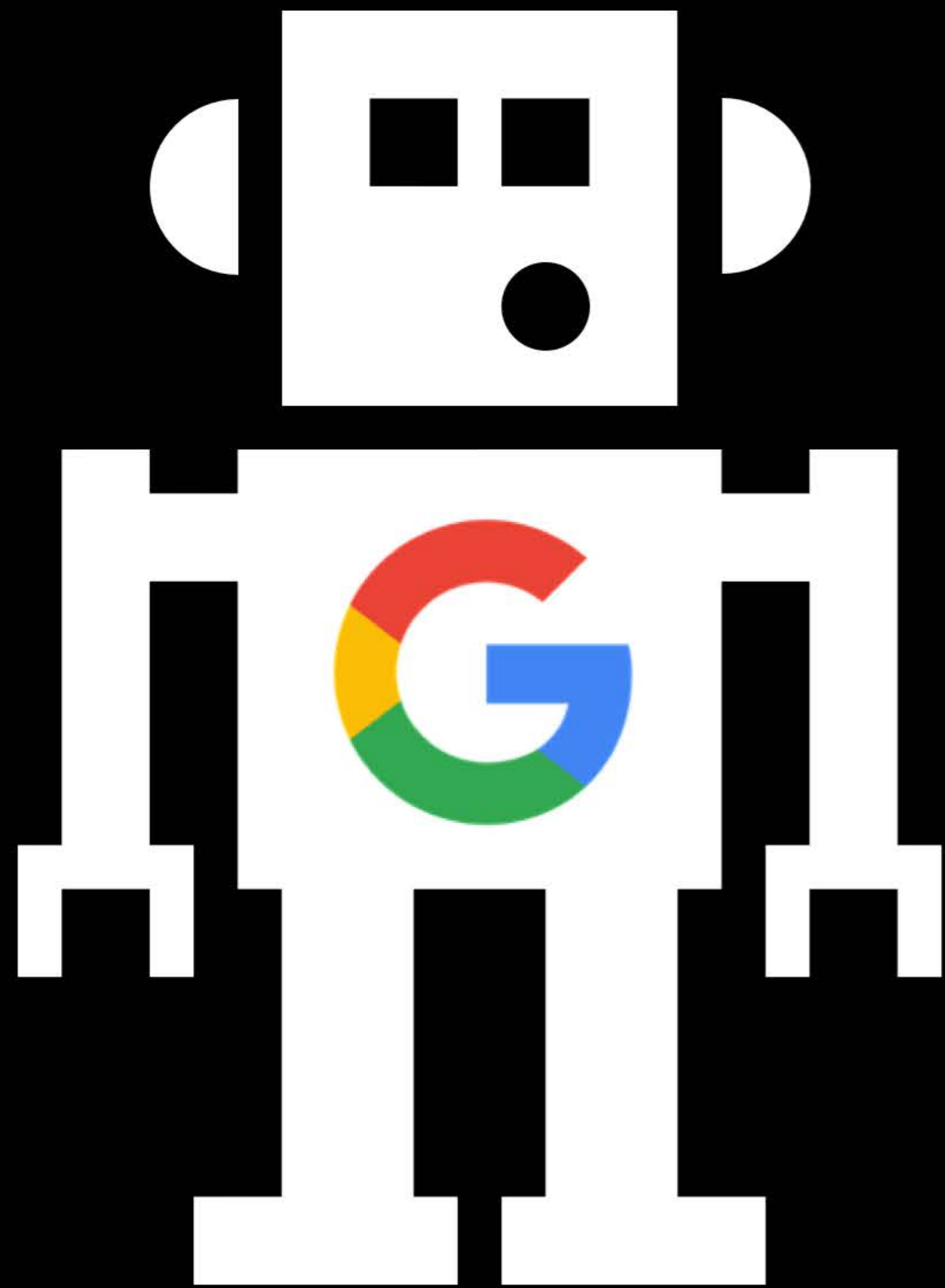
5:48

the logic is opaque, so...

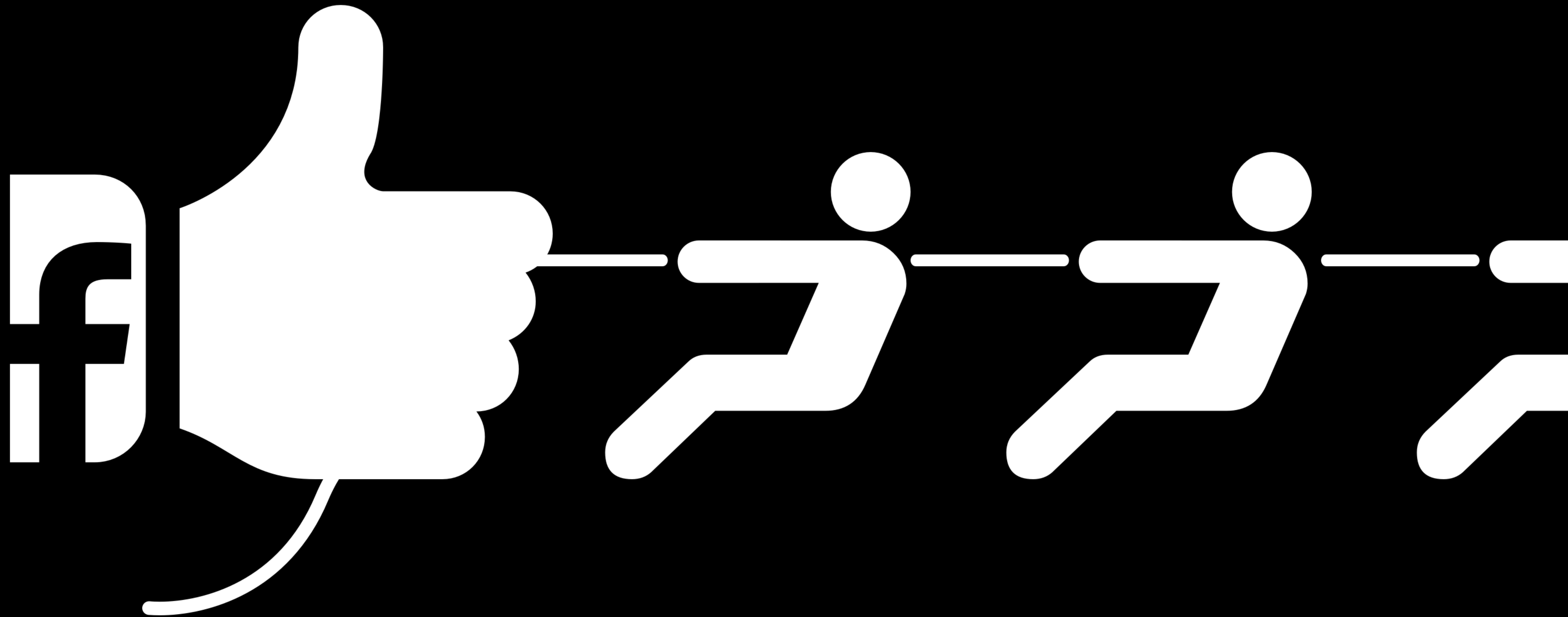
SIGNAL

YOUR INTENTION

A dormant Android phone sends
Google your location info
340 times per hour



Facebook gathers your info from your friends' contacts,
and your phone number from double authentication
—and uses that info for ad targeting



**IF YOU THINK
PEOPLE WON'T
LIKE IT...**

**YOU PROBABLY
SHOULDN'T DO IT**

MAKE

TRANSPARENCY

A DEFAULT

DESIGN PRINCIPLE

**WHAT IS THE
SYSTEM
OPTIMIZED FOR?**

the logic is opaque, so...

MEASURE

MEASURE

MEASURE



4.

MACHINE

LEARNING IS

PROBABLISTIC



Cognitive Services Directory

Manage Cognitive Services in the Azure Cloud or test them with temporary access

Explore Cognitive Services:

[Cognitive Services Homepage](#)

[Try Cognitive Services](#)

[Pricing](#)

[Documentation](#)

Vision

Speech

Language

Knowledge

Search

Learn how Vision makes it possible for apps and services to accurately identify and analyze content within images and videos. Try any service free—and quickly build computer vision-enabled apps and services with the following capabilities.

azure.microsoft.com/en-us/services/cognitive-services/directory/





FEATURE NAME:	VALUE
Description	{ "tags": ["person", "man", "indoor", "looking", "standing", "front", "holding", "older", "people", "table", "sitting", "using", "wearing", "woman", "room", "shirt", "elephant"], "captions": [{ "text": "a man looking at the camera", "confidence": 0.8918123 }] }
Tags	[{ "name": "person", "confidence": 0.999668 }, { "name": "man", "confidence": 0.9767188 }, { "name": "indoor", "confidence": 0.931774139 }, { "name": "older", "confidence": 0.280402541 }]
Image format	"Jpeg"



FEATURE NAME:	VALUE
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Tags	[{ "name": "person", "confidence": 0.999668 }, { "name": "man", "confidence": 0.9767188 }, { "name": "indoor", "confidence": 0.931774139 }, { "name": "older", "confidence": 0.280402541 }]
Image format	"Jpeg"

Angry Birds

72% Match 2018 TV-G 3 Seasons

Birds Red, Chuck and their feathered friends have lots of adventures while guarding eggs in their nest that pesky pigs keep trying to steal.

▶ PLAY

+ MY LIST



Starring: Antti Pääkkönen, Heljä Heikkinen, Lynne Guaglione

Genres: TV Shows, Kids' TV, Kids' TV for ages 3 to 4

This show is: Exciting



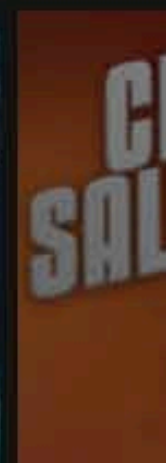
OVERVIEW

EPISODES

MORE LIKE THIS

DETAILS

Action





picdescbot
@picdescbot

Following



a person holding an object
(maybe a cell phone? or guitar? or violin?)





Sections

Sign In

Try 1 month for \$1

The Switch

Amazon is selling facial recognition to law enforcement — for a fistful of dollars



Amazon's Face Recognition Falsely Matched 28 Members of Congress With Mugshots



By [Jacob Snow](#), Technology & Civil Liberties Attorney, ACLU of Northern California

JULY 26, 2018 | 8:00 AM

TAGS: [Face Recognition Technology](#), [Surveillance Technologies](#), [Privacy & Technology](#)



Amazon's face surveillance technology is the target of growing opposition nationwide, and today, there are 28 more causes for concern. In a test the ACLU recently conducted of the facial recognition tool, called "Rekognition," the software incorrectly matched 28 members of Congress, identifying them as other people who have been arrested for a crime.

The members of Congress who were falsely matched with the mugshot database we used in the test include

Republicans [aclu.org/blog/privacy-technology/surveillance-technologies/amazons-face-recognition-falsely-matched-28](https://www.aclu.org/blog/privacy-technology/surveillance-technologies/amazons-face-recognition-falsely-matched-28) women, and legislators of all ages,



“I DON'T KNOW”

IS BETTER THAN A

WRONG ANSWER



ALGORITHMS

SYSTEMS SMART ENOUGH TO KNOW WHEN THEY'RE NOT SMART ENOUGH

Google and others offer wrong answers with matter-of-fact authority. How can designers build stronger signals of trust into data-driven interfaces?

results are probabilistic, so...

**PRESENT INFORMATION
AS SIGNALS,
NOT ABSOLUTES**

5.

THE MACHINES

REINFORCE

NORMAL

**WHAT IS
NORMAL?**

GENDER Female
AGE 29



**WHAT IF NORMAL
IS GARBAGE?**

Imprisoned In Myanmar

Energy & Environment

Brexit

North Korea

Charged: The Future of Autos

Future of Money

Breakingviews

BUSINESS NEWS OCTOBER 9, 2018 / 11:12 PM / 23 DAYS AGO

Amazon scraps secret AI recruiting tool that showed bias against women

Jeffrey Dastin

8 MIN READ



SAN FRANCISCO (Reuters) - Amazon.com Inc's ([AMZN.O](#)) machine-learning specialists uncovered a big problem: their new recruiting engine did not like women.

ML reinforces normal, so...

**LET'S NOT
CODIFY THE PAST**

ML reinforces normal, so...

**LET'S NOT
CODIFY THE PAST**

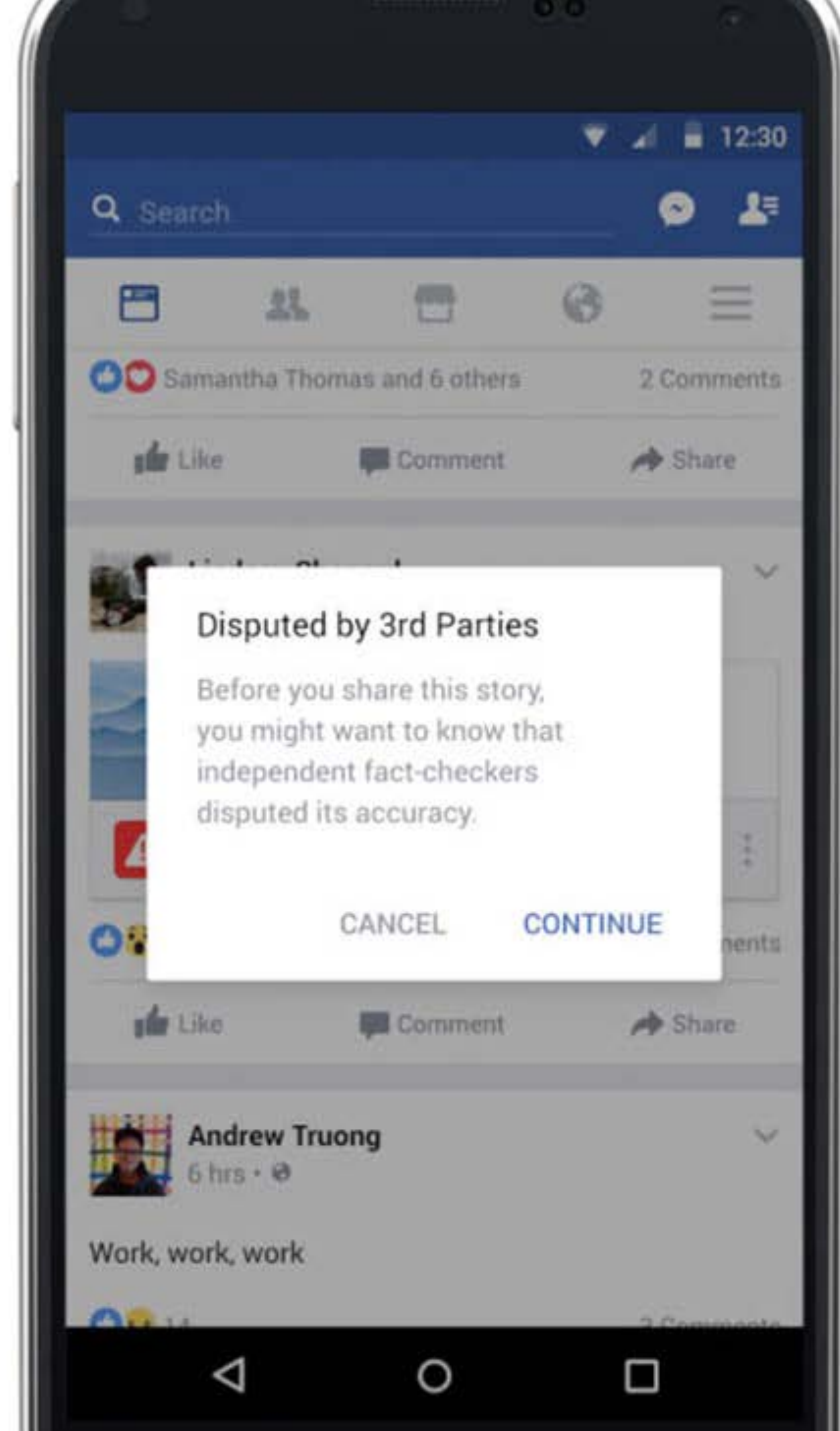
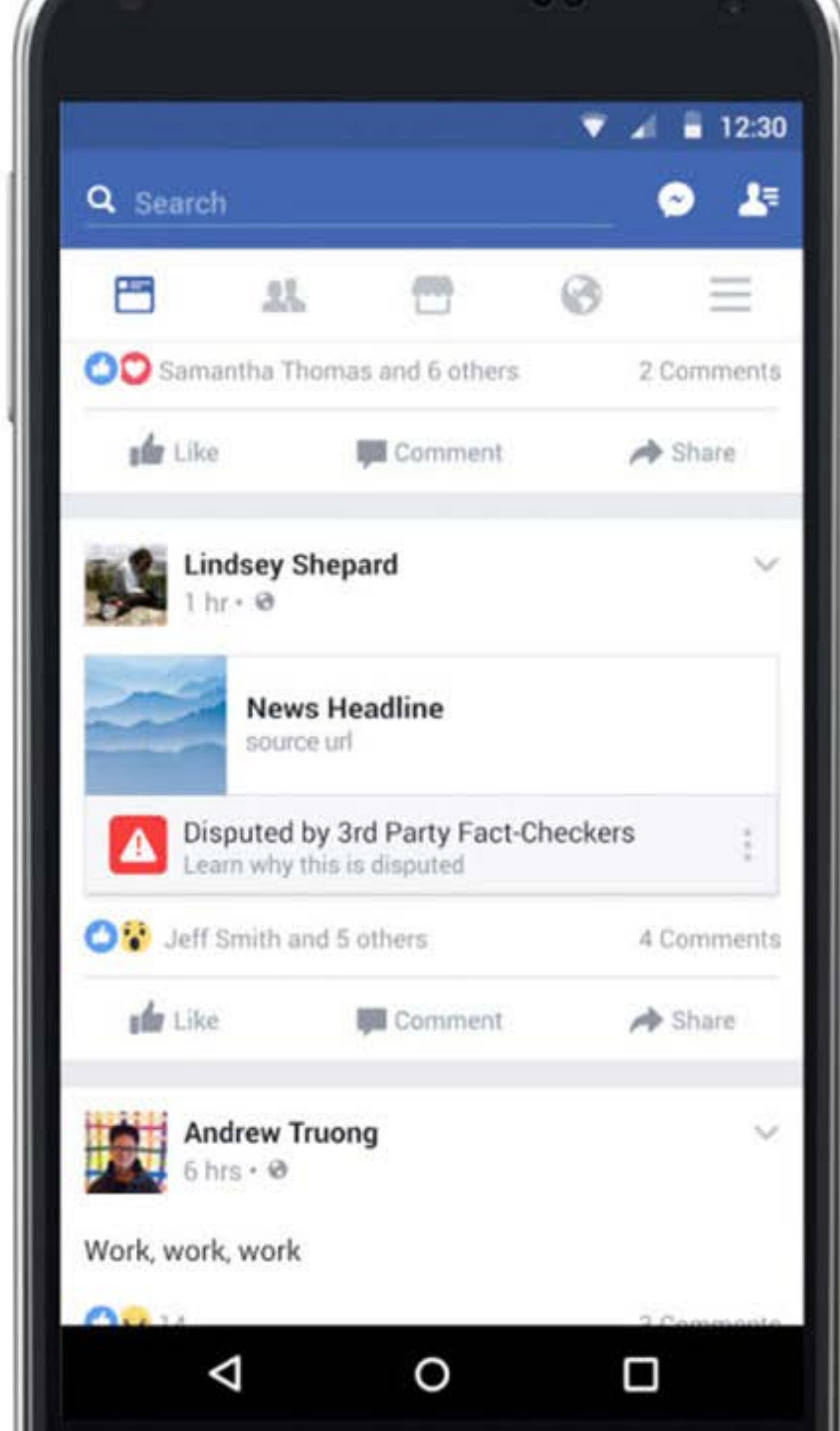
SURFACING BIAS

ALLOWS US

TO ACT ON IT

ML reinforces normal, so...

**HELP USERS
KNOW WHEN TO
BE CRITICAL**



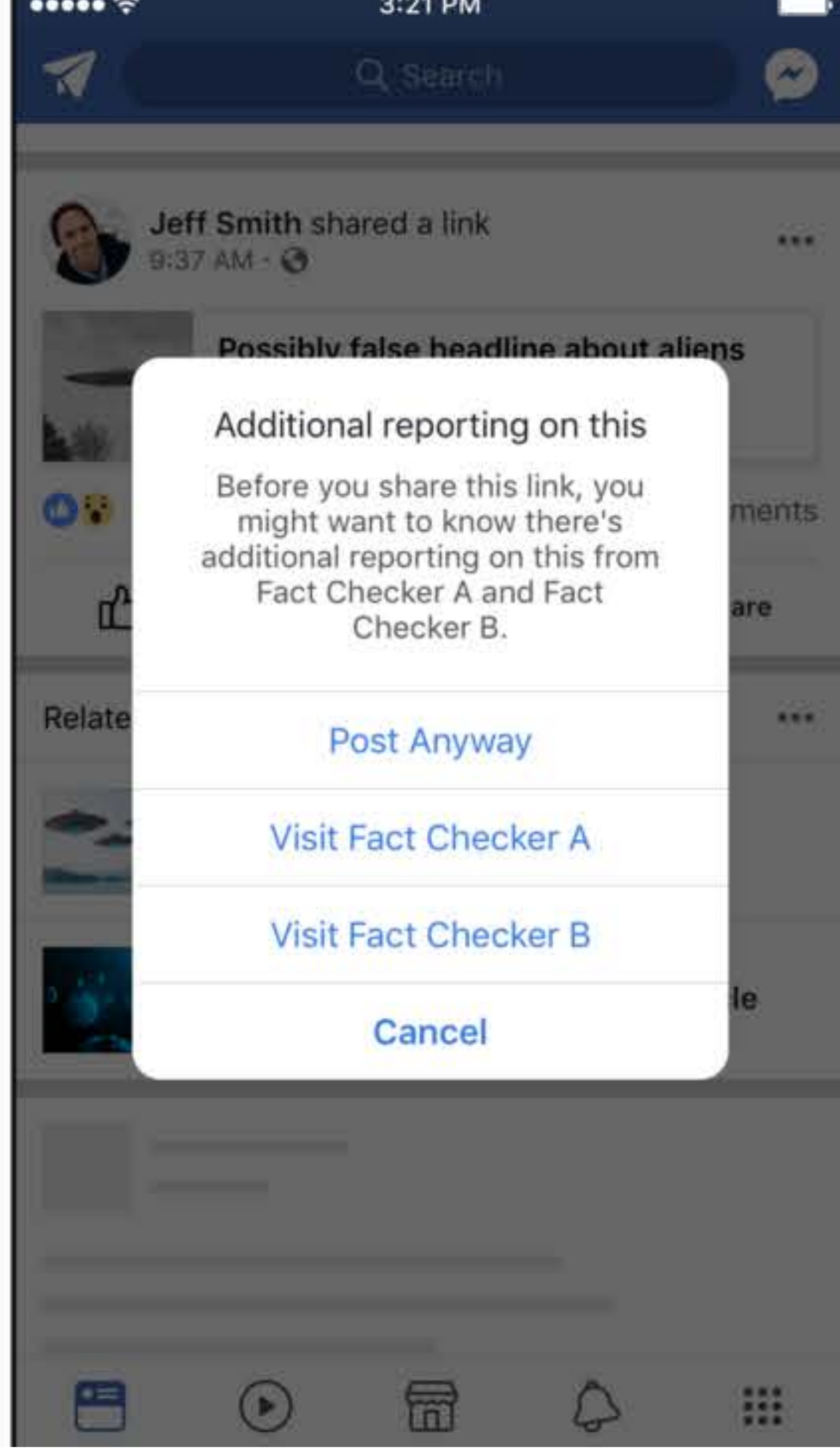
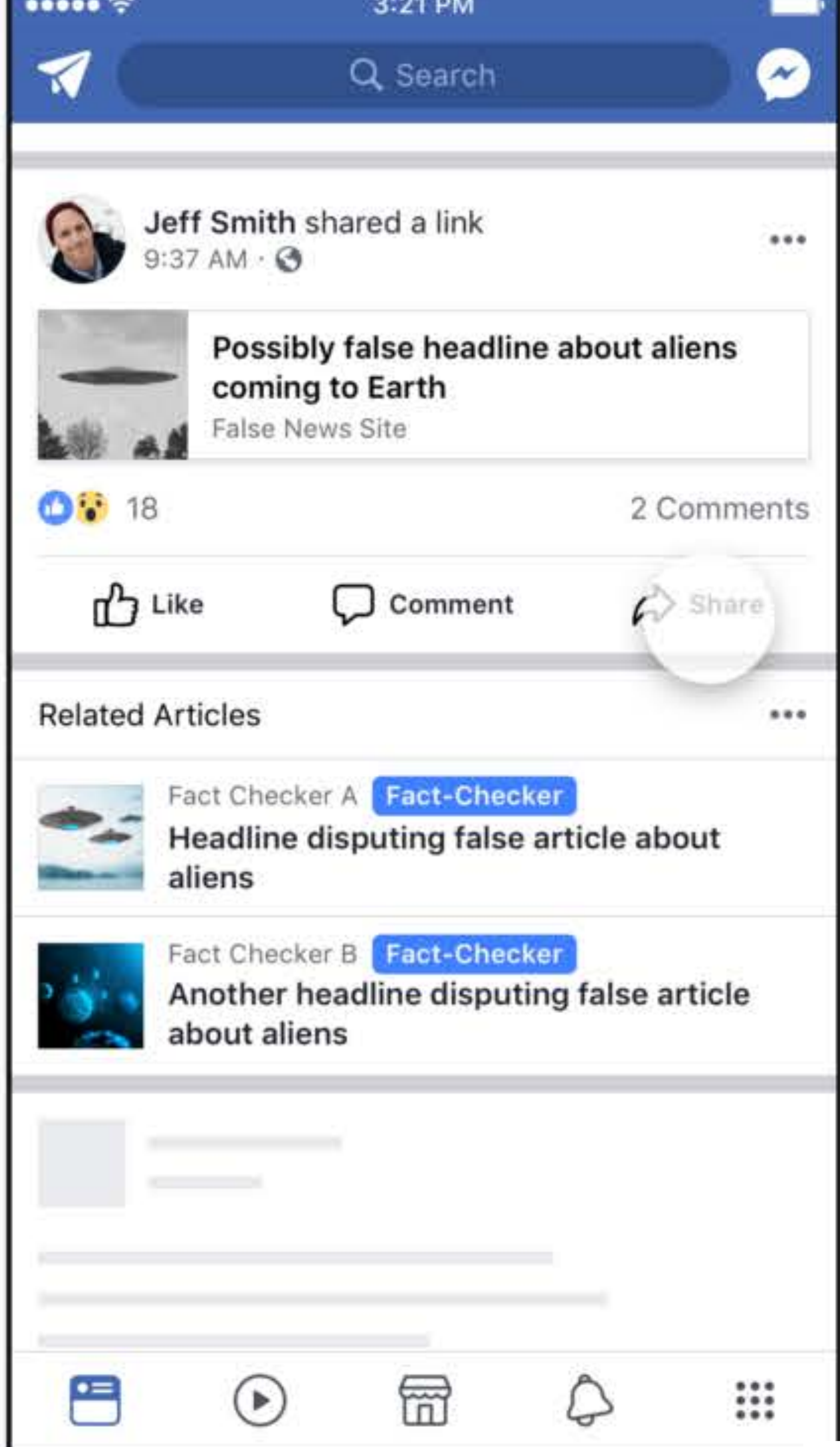
“DISPUTED” LABEL

80% REDUCTION

OF FUTURE

IMPRESSIONS





ML reinforces normal, so...

**AMPLIFY HUMAN
JUDGMENT,
DON'T REPLACE IT**

the “grain” of machine learning

- **WEIRDNESS**
- **NARROW DOMAINS**
- **OPAQUE LOGIC**
- **PROBABILISTIC RESULTS**
- **PEGGED TO “NORMAL”**

three: how does it change us?

**HOW WILL VALUES
AND BEHAVIORS
SHIFT?**

**WHAT DO WE
WANT FROM IT?**

**WHAT DO WE
WANT FROM IT?**

**WHAT DOES IT
REQUIRE OF US?**

**IF WE DON'T DECIDE
FOR OURSELVES,
THE TECHNOLOGY
WILL DECIDE FOR US**

**THE FUTURE
SHOULD NOT BE
SELF-DRIVING**



Mark Rittman

@markrittman

Follow

3 hrs later and still no tea. Mandatory recalibration caused wifi base-station reset, now port-scanning network to find where kettle is now.

The screenshot shows two windows. The left window is 'IP Range - Angry IP Scanner' with the IP range 192.168.2.0 to 192.168.2.255. It displays a list of IP addresses and their ping times. The right window is a terminal showing Python code for controlling a kettle via a socket.

IP	Ping	Hostname	Filter
192.168.2.119	[n/a]	vmhost6.uk.rittman.co.uk	[n/a]
192.168.2.120	[n/a]	[n/a]	[n/a]
192.168.2.121	[n/a]	[n/a]	[n/a]
192.168.2.122	13 ms	laserjet.uk.rittman.co.uk	[n/a]
192.168.2.123	[n/a]	[n/a]	[n/a]
192.168.2.124	[n/a]	[n/a]	[n/a]
192.168.2.125	[n/a]	[n/a]	[n/a]
192.168.2.126	[n/a]	[n/a]	[n/a]
192.168.2.127	[n/a]	[n/a]	[n/a]
192.168.2.128	[n/a]	bigdatalite42node2.uk.rittman.co.uk	[n/a]
192.168.2.129	[n/a]	[n/a]	[n/a]
192.168.2.130	[n/a]	[n/a]	[n/a]
192.168.2.131	[n/a]	[n/a]	[n/a]
192.168.2.132	[n/a]	[n/a]	[n/a]
192.168.2.133	[n/a]	[n/a]	[n/a]
192.168.2.134	[n/a]	endeca.uk.rittman.co.uk	[n/a]
192.168.2.135	[n/a]	em12c.uk.rittman.co.uk	[n/a]
192.168.2.136	[n/a]	monitor01.uk.rittman.co.uk	[n/a]
192.168.2.137	[n/a]	[n/a]	[n/a]
192.168.2.138	3 ms	[n/a]	[n/a]
192.168.2.139	[n/a]	elk.uk.rittman.co.uk	[n/a]
192.168.2.140	[n/a]	[n/a]	[n/a]
192.168.2.141	[n/a]	[n/a]	[n/a]
192.168.2.142	[n/a]	[n/a]	[n/a]
192.168.2.143	[n/a]	obiademo.uk.rittman.co.uk	[n/a]
192.168.2.144	[n/a]	oel6-client.uk.rittman.co.uk	[n/a]
192.168.2.145	[n/a]	[n/a]	[n/a]
192.168.2.146	[n/a]	obi11117w64.uk.rittman.co.uk	[n/a]
192.168.2.147	[n/a]	[n/a]	[n/a]
192.168.2.148	[n/a]	[n/a]	[n/a]
192.168.2.149	[n/a]	[n/a]	[n/a]

```

# Domoticz Settings
server = "domoticz:welcome1@192.168.2.226:8080"

# iKettle 2 Settings
host = "192.168.2.91";
port = 2081;

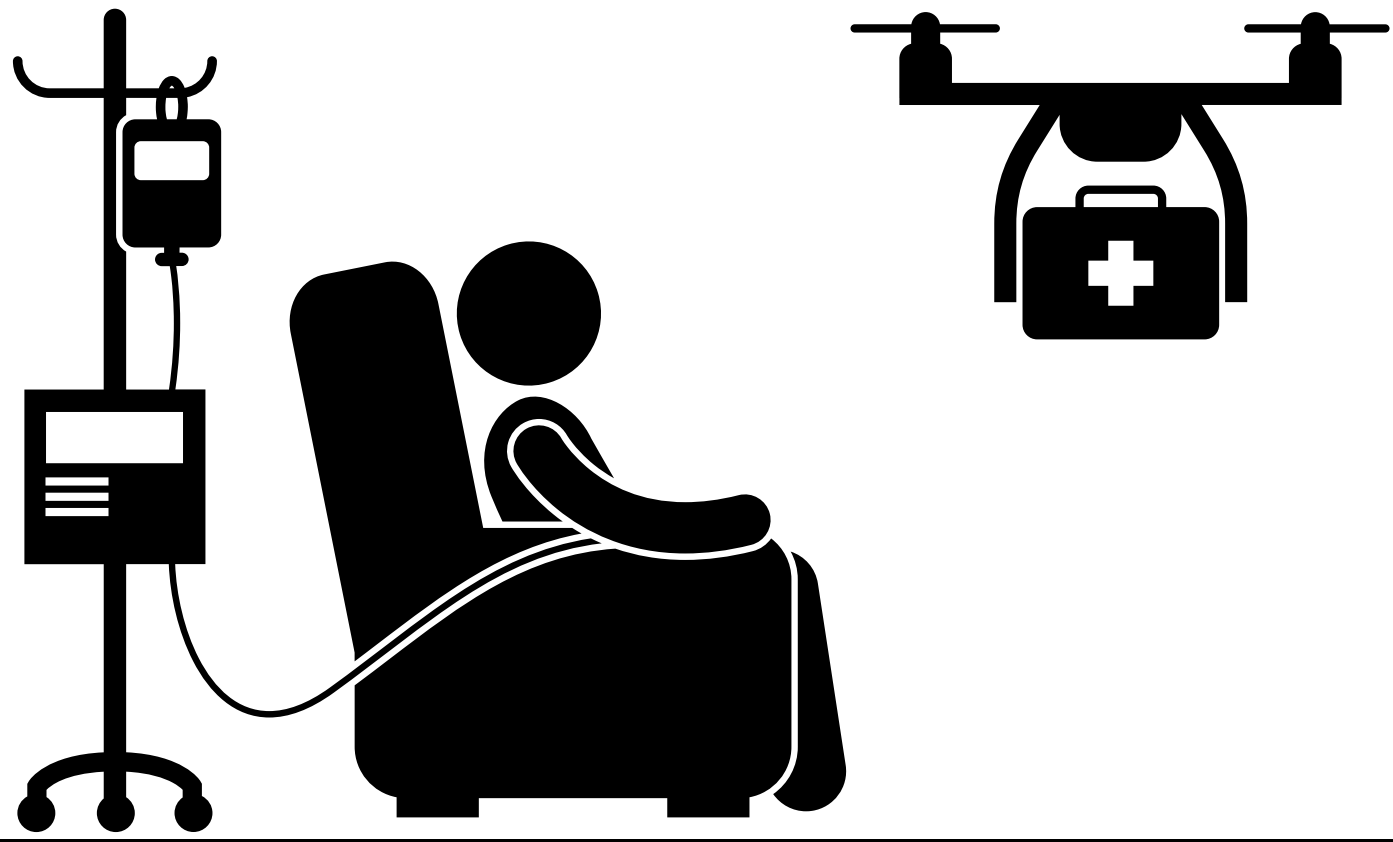
# Kettle Control ----- Start
if sys.argv[1] == "control":
    if sys.argv[2] == "on40":
        message_to_send = "\x15\x28\x00\x7e"
    if sys.argv[2] == "on60":
        message_to_send = "\x15\x3C\x00\x7e"
    if sys.argv[2] == "on80":
        message_to_send = "\x15\x50\x00\x7e"
    if sys.argv[2] == "on100":
        message_to_send = "\x21\x7e"
    if sys.argv[2] == "on":
        message_to_send = "\x21\x7e"
    if sys.argv[2] == "off":
        message_to_send = "\x16"
    try:
        s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        s.connect((host, port))
        s.send(message_to_send)
        data = s.recv(10)
        s.close()
    except socket.error, msg:
        print 'Failed to create socket. Error code: ' + str(msg[0]) + ', Error message: ' + msg[1]
    sys.exit();
    return_code = unicode(data)
    success=0
    message=""
    if return_code == "\x03\x00~":
        success=1
        message="Kettle has received the command."
    else:
        message="check kettle"
    print message
  
```

RETWEETS
285

LIKES
476







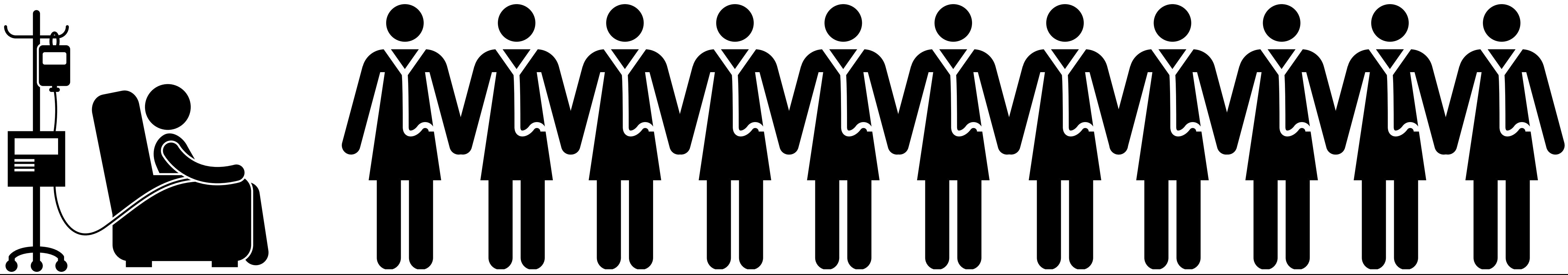




- COMPASSIONATE



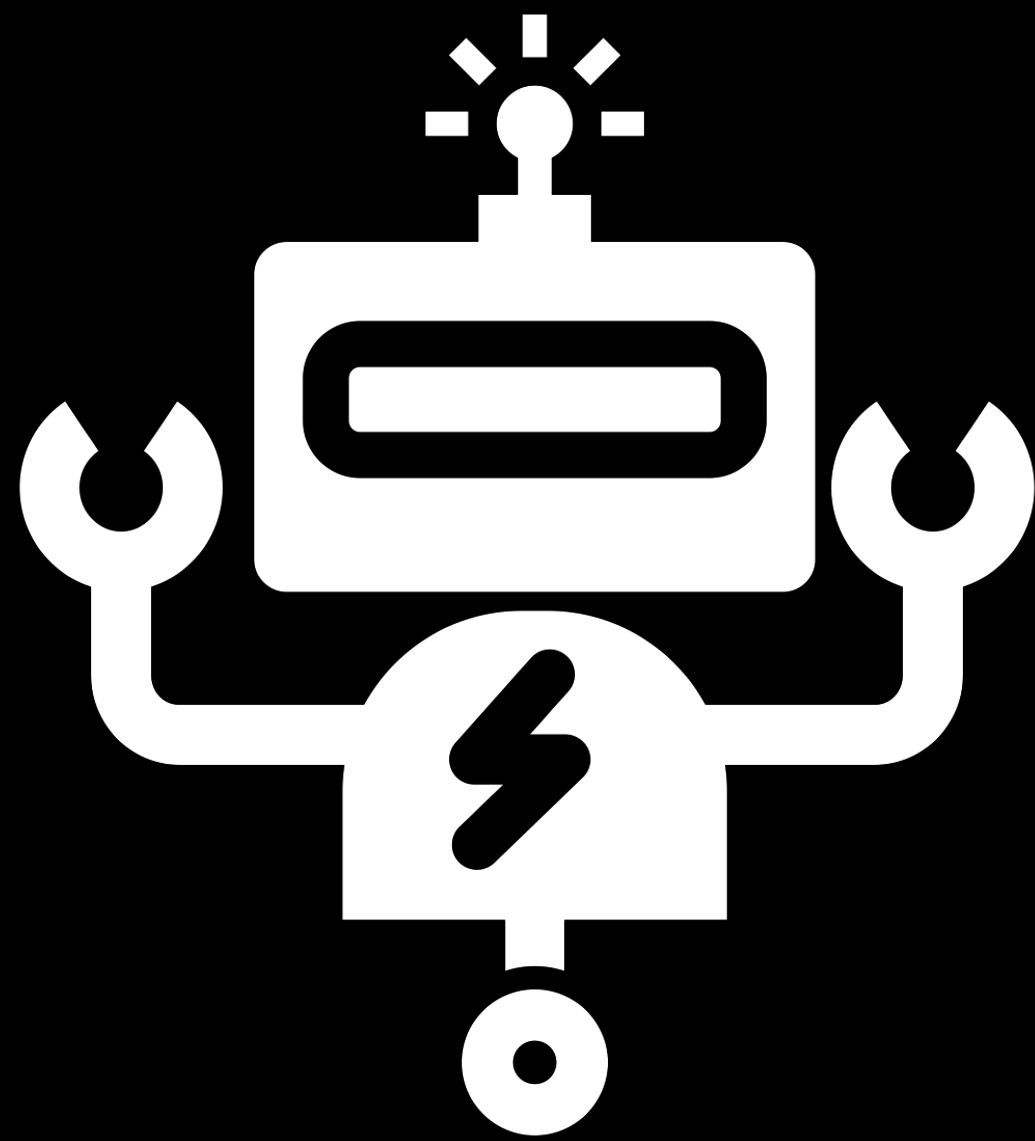
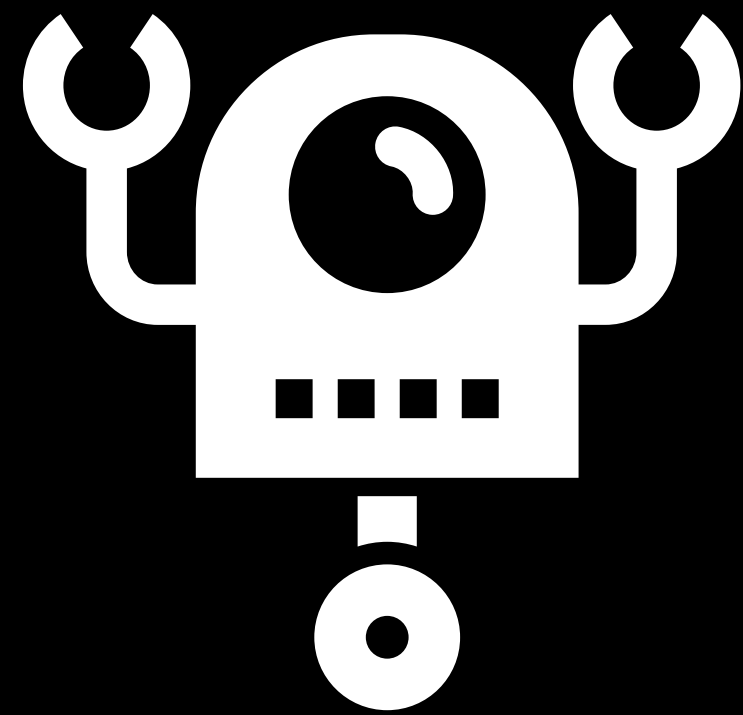
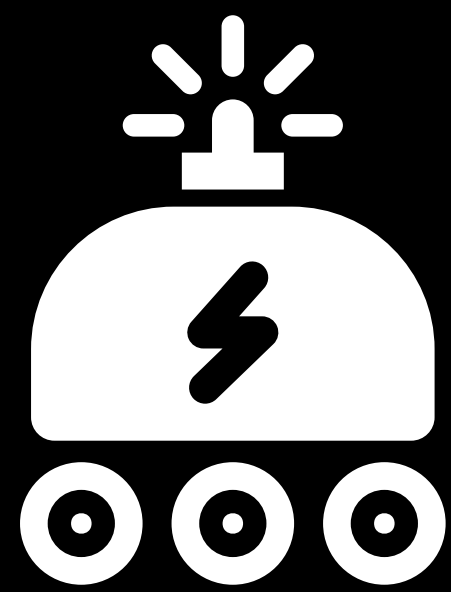
- **COMPASSIONATE**
- **AFFORDABLE**



■ **COMPASSIONATE**

■ **AFFORDABLE**

■ **MORE JOBS**

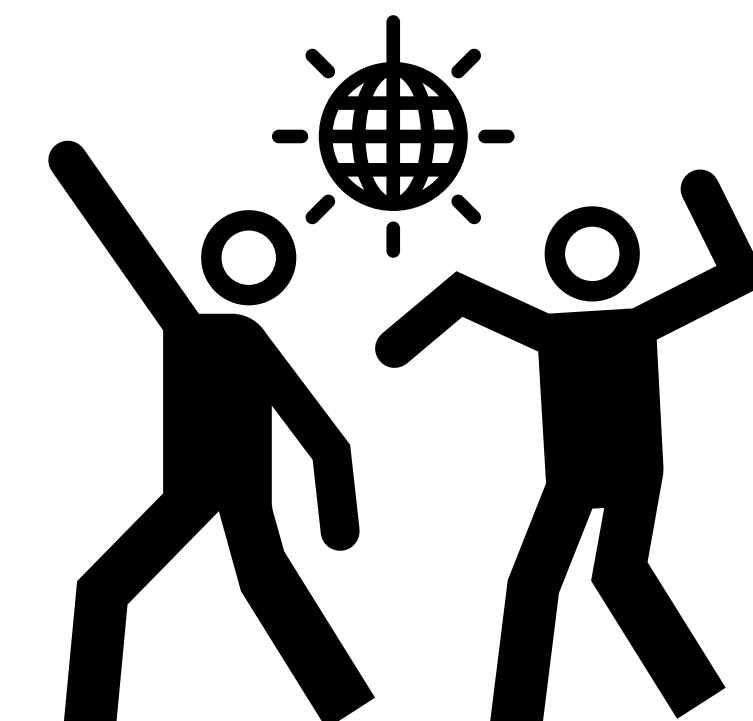


WE'RE INVENTING

THE FUTURE

TOGETHER

**THIS IS A TIME
FOR WILD IDEAS**

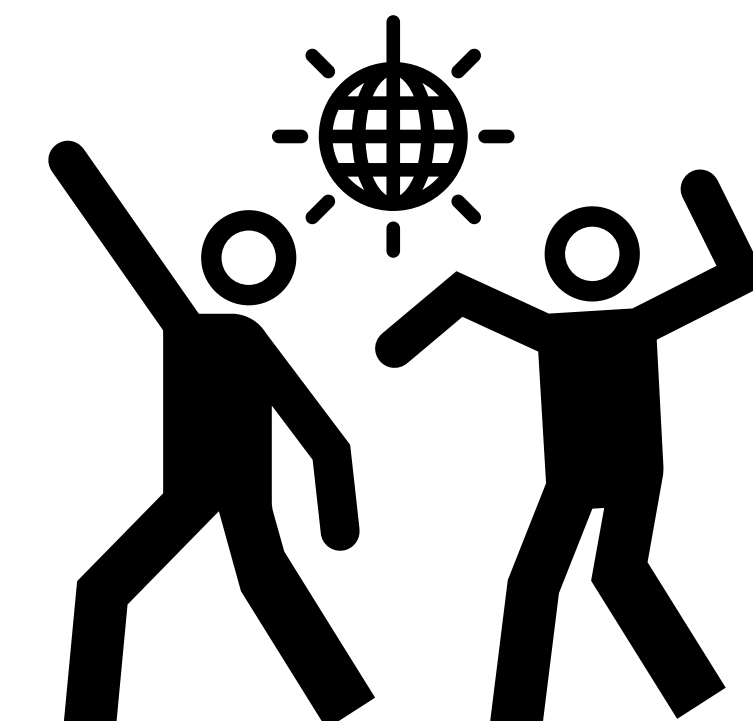


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juvetagenda.org

bigmedium.com



THANKS!

josh clark
@bigmediumjosh
bigmedium.com

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