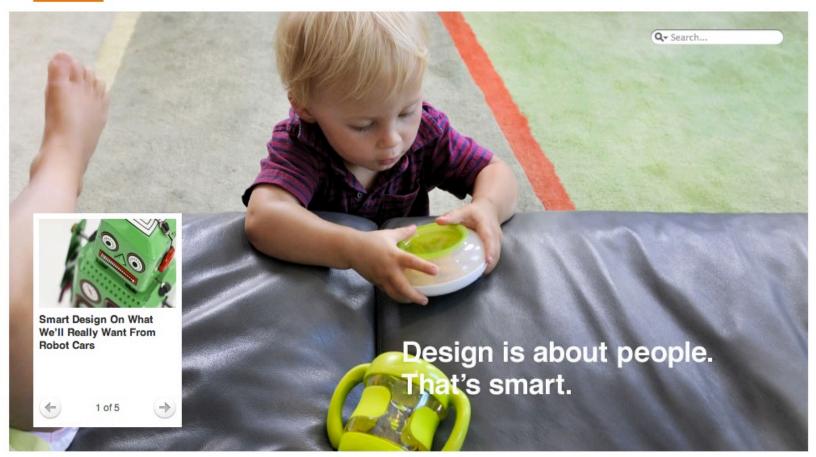




Work News About / Smart Thinking





An innovation consulting firm for a complex world

At Smart, we design products and services that grow businesses, shift industries and impact millions of people every day. We partner with clients who, like us, aspire to make a meaningful difference to how people work, live, learn and play.

Physical-Digital



Energy Hub



Under Armour



Connected appliances



Ford SmartGauge

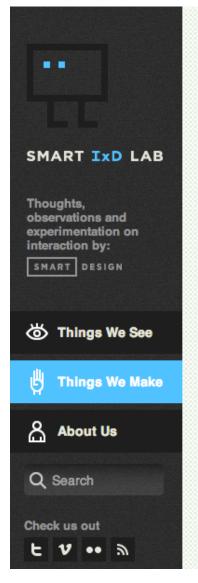


Ethicon Medical Equipment



HP Large Format Printing

A maker-futurist



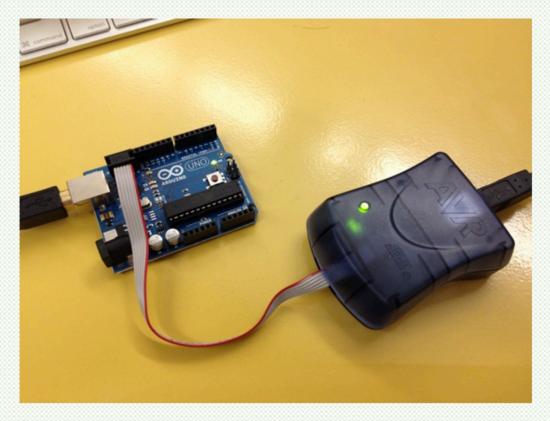
LUFA EXAMPLE -TURNING YOUR ARDUINO INTO A KEYBOARD

Mar 19, 2012

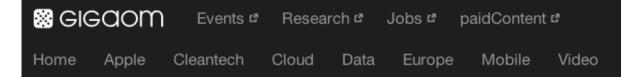


3. Hook up your Arduino like so. Open up terminal and navigate to the folder. Once there, run the following command to flash the new hex:

avrdude -p at90usb82 -F -P usb -c avrispmkii -U flash:w:arduino-keyboard-0.3.hex -U lfuse:w:0xFF:m -U hfuse:w:0xD9:m -U efuse:w:0xF4:m -U lock:w:0x0F:m



Once it is done (should take less than 10 seconds), unplug the USB cables and AVR Programmer.



design / diy / internet of things

How can we design an internet of things for everyone (not just alpha geeks)?

by Carla Diana, Smart Design AUG. 18, 2013 - 12:00 PM PDT



A**▼** A▲

SUMMARY: Makers and alpha geeks have found meaningful applications for the internet of things but there is still a big gap between them and the average user who doesn't want to hack. How do we design for everyone?





Smart Objects Courses at UPenn & SVA

tumblr.smartobject.com



The Cube Audio Menu



Pen Pal Creative Network



NOM Projected Food Service



Vice Bike Lock



Smart Dog Collar

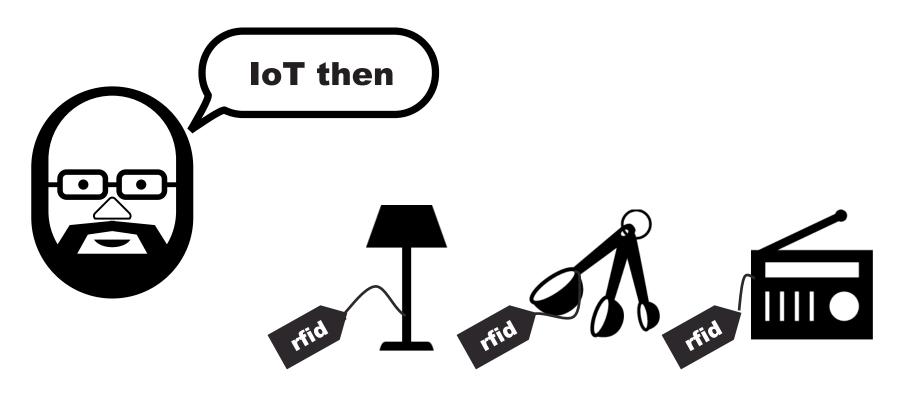


Chicken Chase Internet Game

IoT: not what we expected

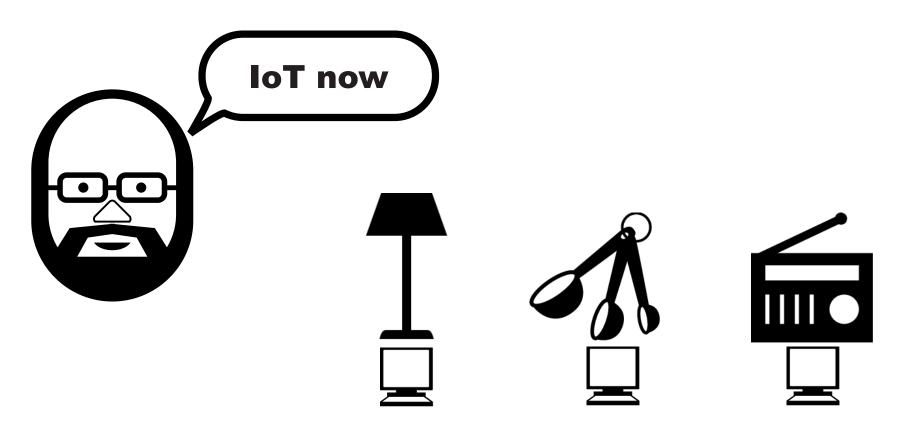
Henry Holtzman, MIT Media Lab

Original IoT vision was a database of tagged items that could be tracked

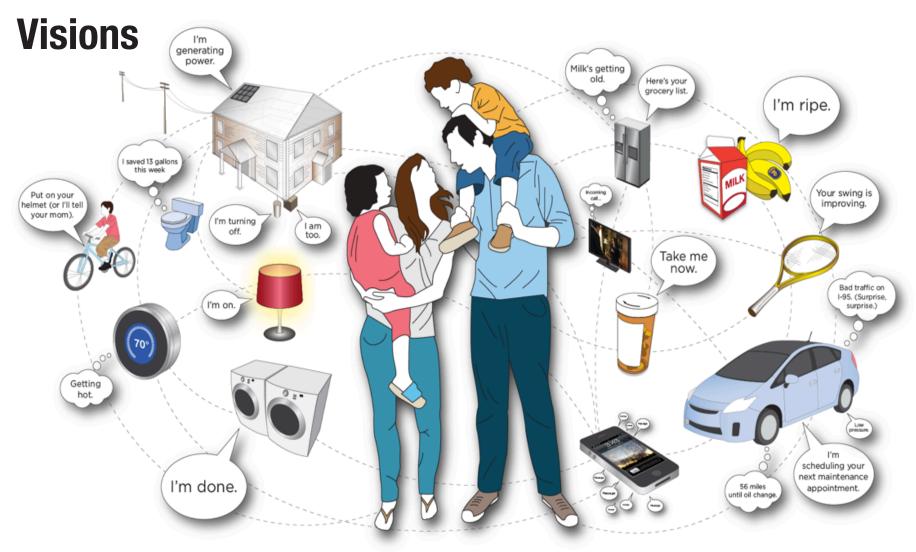


Henry Holtzman, MIT Media Lab

What we didn't anticipate is the many devices we would have with computing power



The perfect storm: robotics affordable sensors object tagging wireless communications broadband



The New York Times

SundayReview | The Opinion Pages

OPINION

Talking, Walking Objects

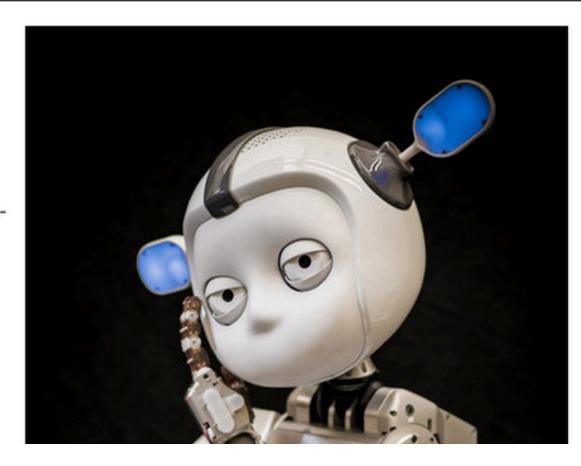
By CARLA DIANA

The future is rich with sensorbased, animated devices to give us affirmation, coach us and just plain keep us company.

▼ Comment

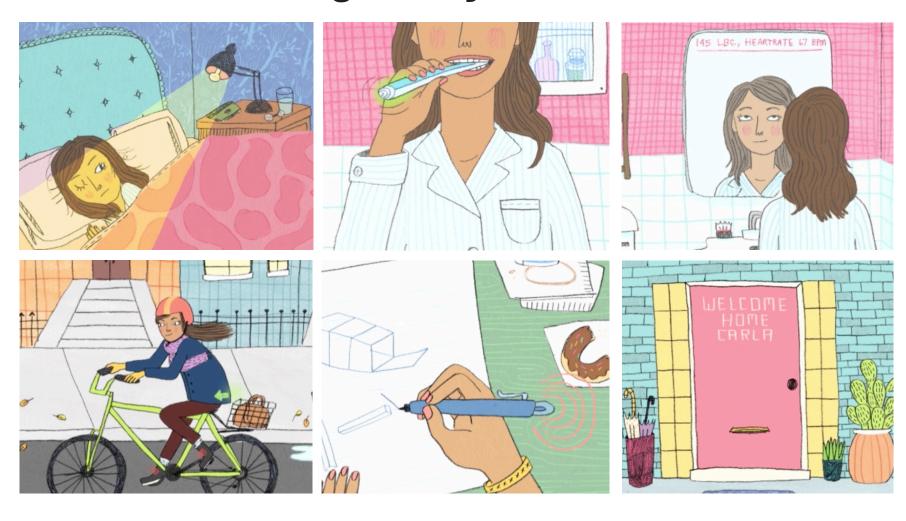
· D Video: A Day in the Near Future



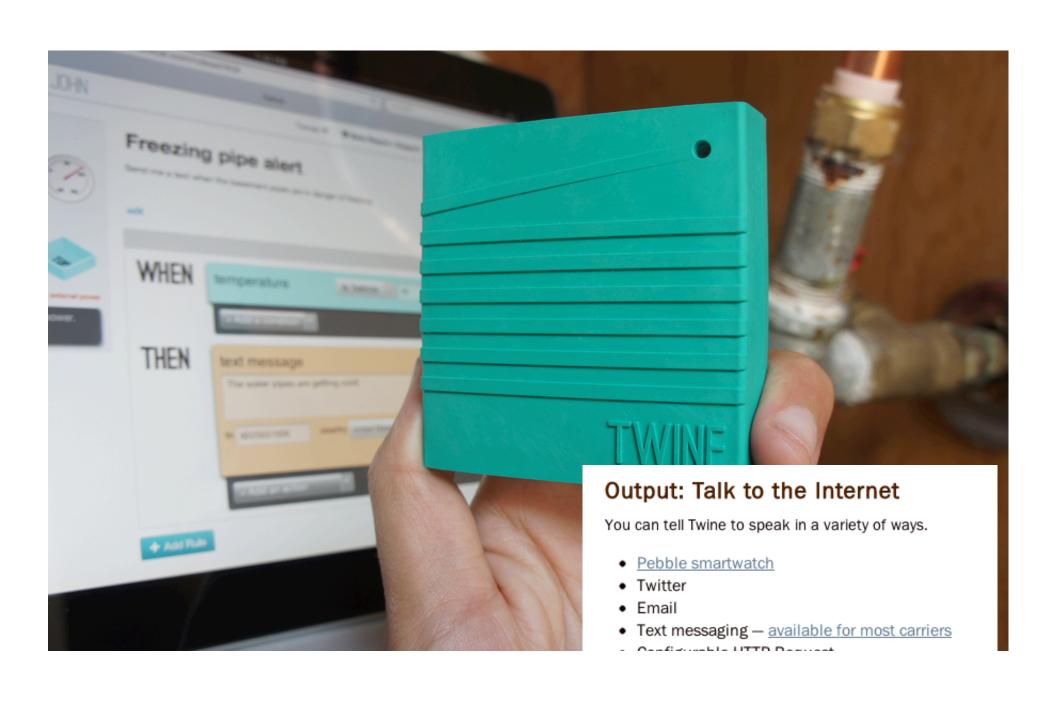


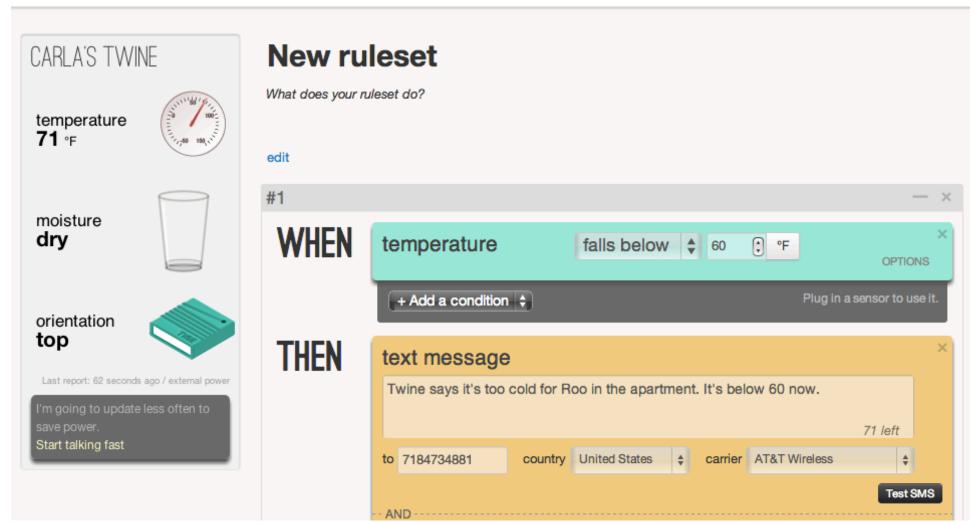


Visions becoming reality

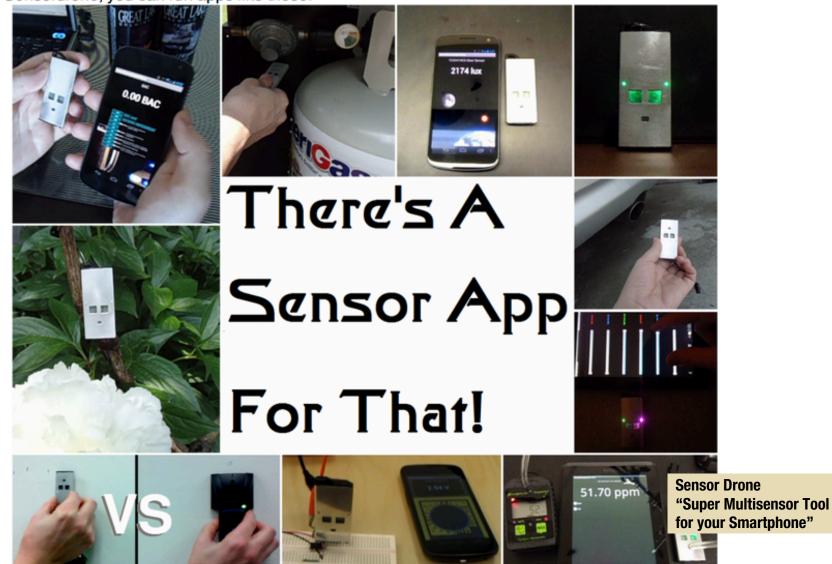


Paying attention to mavericks: throwing spaghetti at the wall





If you have a Sensordrone, you can run apps like these.









Ninja blocks











Ztore



YOUR SMART RABBIT

Karotz, your smart companion



Evolve

Hundred of free applications available: keep eyes on your home while away, listen to music, and stay in touch with your friends













Karotz Smart Rabbit



ENTERTAINMENT =

HEALTH =

EDUCATION ¬

SEXES

NATIONAL =

The Dream of Intelligent Robot Friends

Learning about smart objects from the Karotz Internet-connected toy rabbit thing

CARLA DIANA | MAR 26 2014, 9:26 AM ET



Karotz Smart Rabbit

Karotz is an Internet-enabled console in the shape of an abstracted rabbit. One

' CC | 1 1 | C' | 1 | | 1 | TAT'TY'



mother.

The care you need, the care you want

Sense Mother is at the head of a family of small connected sensors that blend into your daily life to make it serene, healthy and pleasurable.







Mother and "cookies"



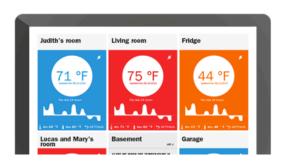
Walk

Are you active enough to stay fit? Monitor the number of steps you make, the distances you walk, the calories you burn.



Teeth

Do you really brush your teeth better than your children? Accept the challenge and maybe they will set the example.





Espresso

How many espresso coffees do you brew? Do you drink too many of them in the evening? Get notified before you run out of capsules.



Intrusion

Monitor access to your home. Get an alert when unusual activity is detected when you are away.





Presence

Is there anybody home right now? Automatically lower your thermostat when nobody's there.



Medication

Always take your medication on time. Receive a notification if you forget. Monitor the regularity of your intake.



Order



FREE SHIPPING on ALL U.S. Orders! Now Shipping to Canada*

Buy for \$299 >



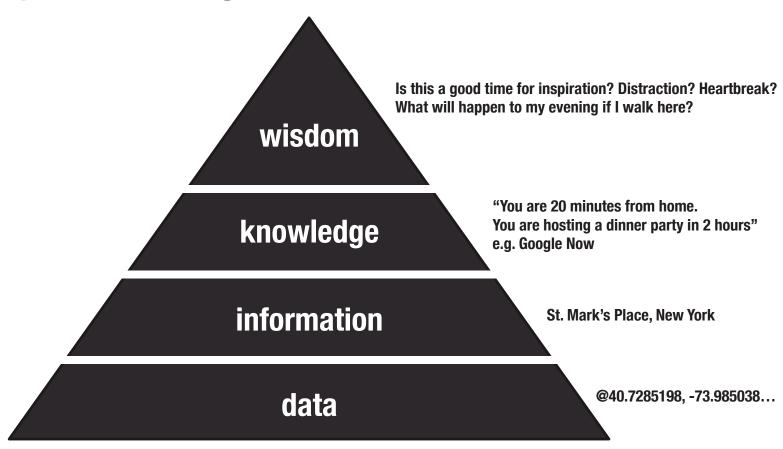
SmartThings Kits

SMART DES

@carladiana_

Where do we find meaning?

Hierarchy of meaning



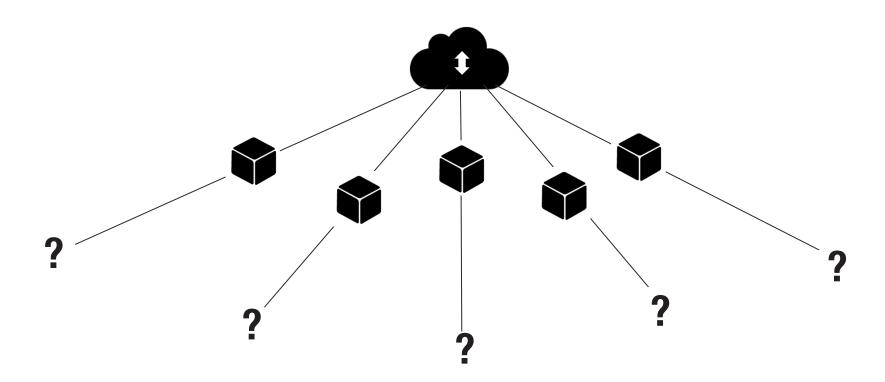
Objects can give us knowledge, we do the rest

The Naturally Slim Plan highlights all the social, emotional and cultural reasons we eat past the point of being full. Placing the fork down after every bite is one technique to help you reflect on why and how you are eating, and a smart fork can be a took to assist you.



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Turning things into knowing



Knowing about...

myself



others

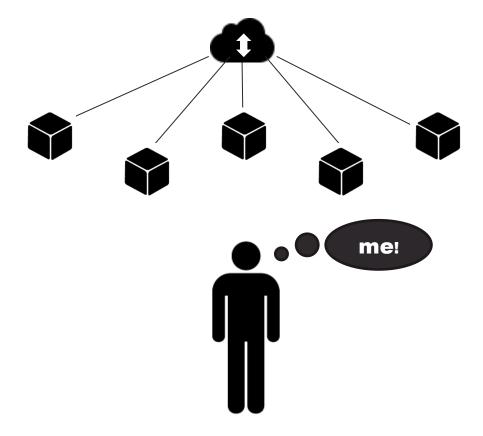


the world



About myself

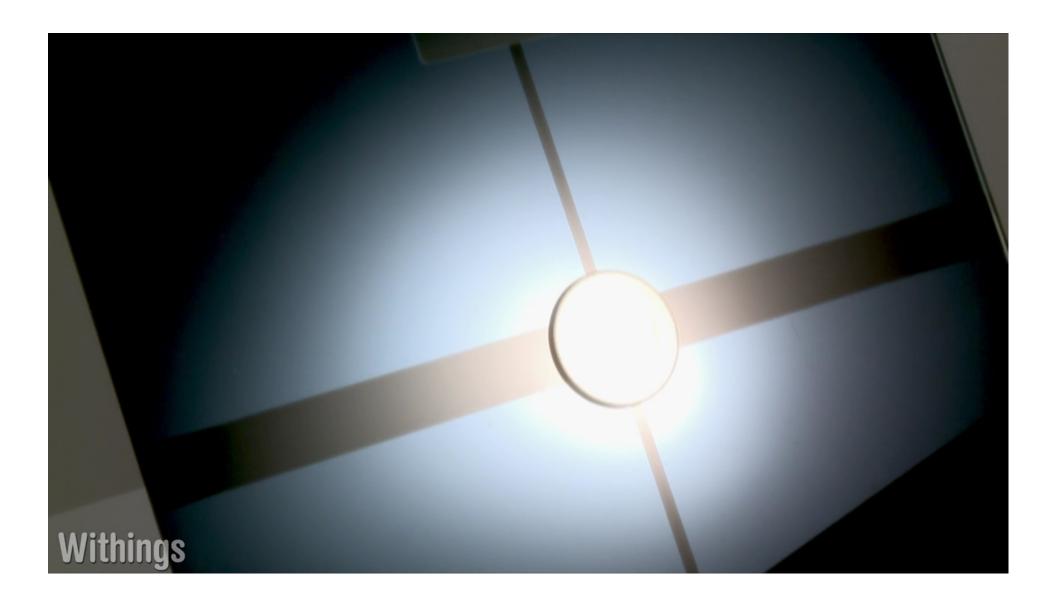
Training
Self control
Mindfulness
Behavior change
Identity



The quantified self



Fitbit







Mindfulness

TWINE COMMUNITY

Discussion:

Activity

Sign In

Using Twine to address my absent-mindedness

At home





Dave Owen December 2012

I only rarely park inside my garage, or ride my scooter which is stored therein. Since it isn't a habit, I occasionally drive (or ride) away, only realizing miles down the road that I can't remember if I closed my garage door.

So, with the help of a blue glitter pipe cleaner (I have kids, and you make use of what you have around) through the casing hole, I've strapped my Twine to the inside of the garage door. When I open or close the door, Twine notifies me to let me know I've opened/closed it, so no more worrying all day or turning around to double-check.

There have been issues; T-Mobile texts aren't reliable (not very useful getting the closure message at midnight when I closed it at 9am), so I've switched to email, and this morning I got an extra "close"



Behavior change



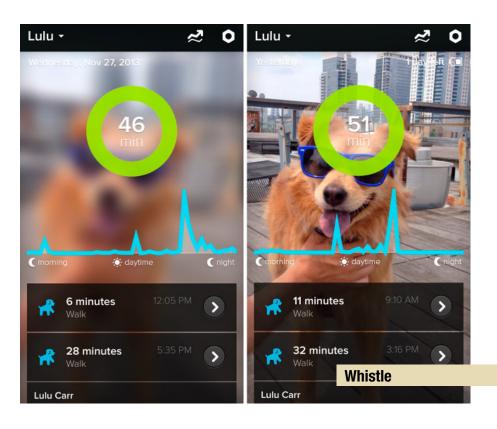
Mavia System

Identity

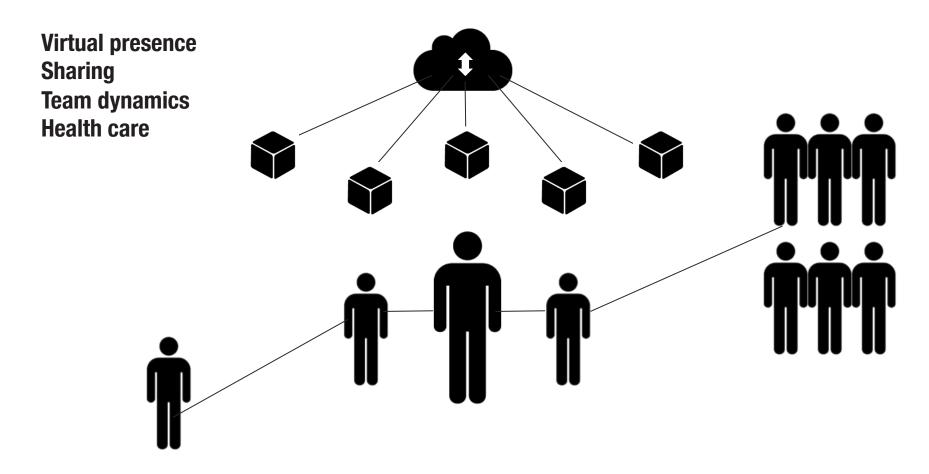


The quantified pet/ plant/ possession





About others



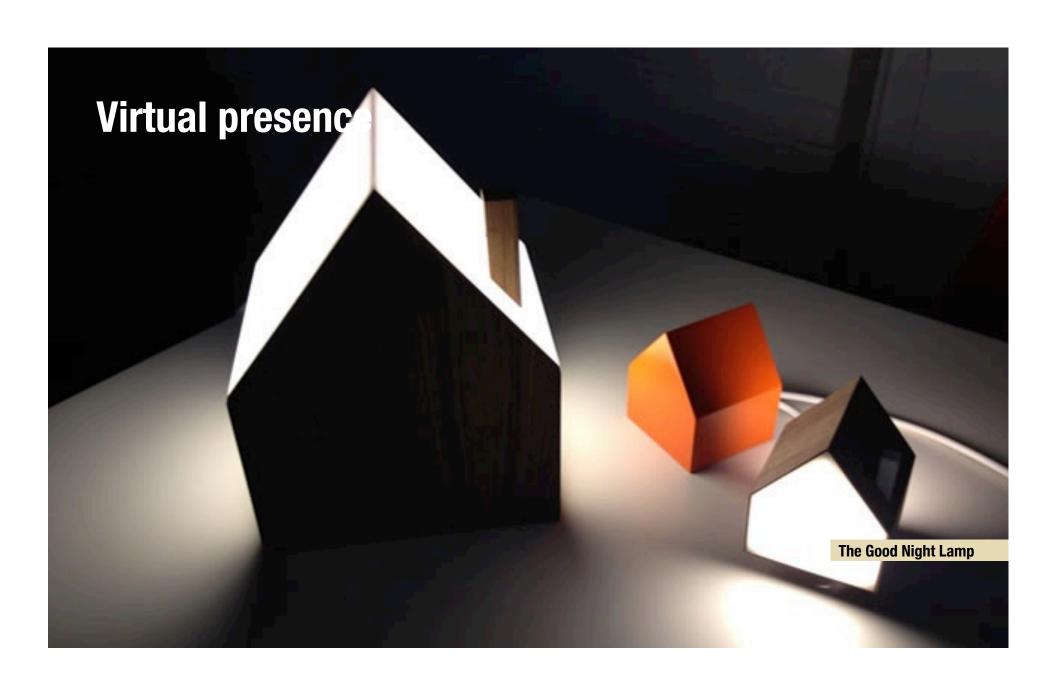
Sharing



Camera. Reborn.



Samsung Gallaxy

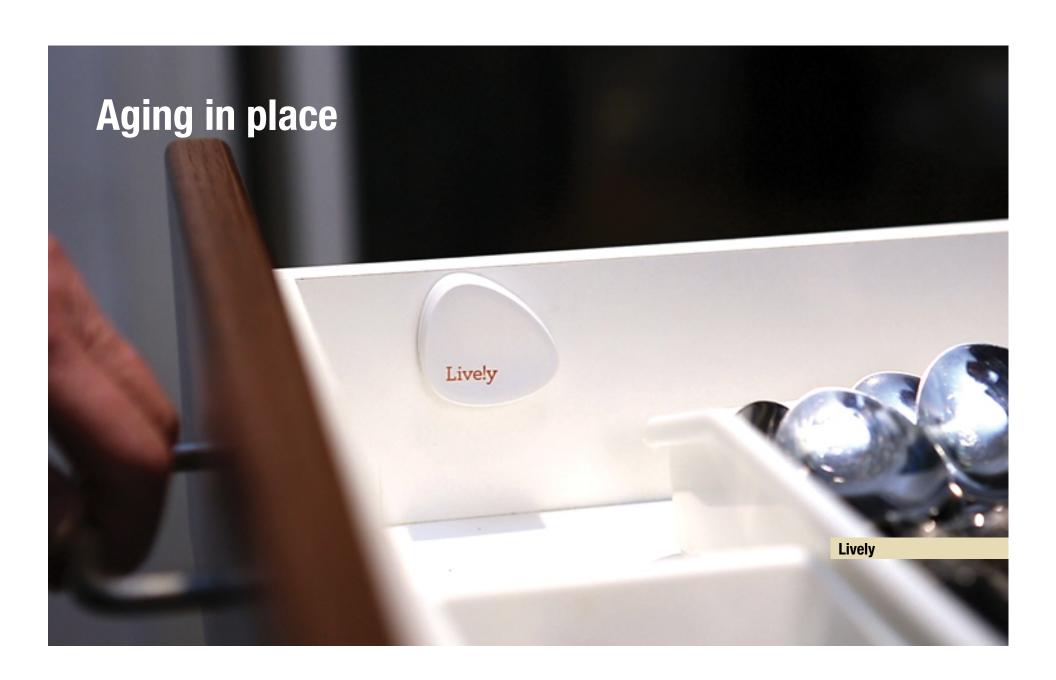




Team dynamics UP Band

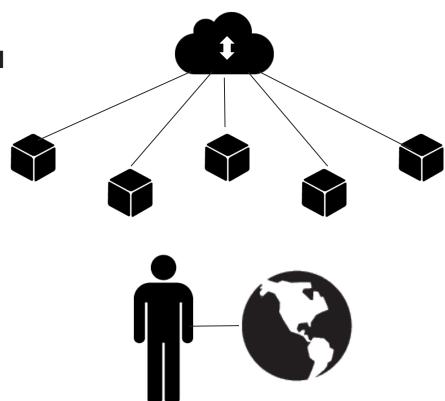
SMART DESIGN





About our surroundings

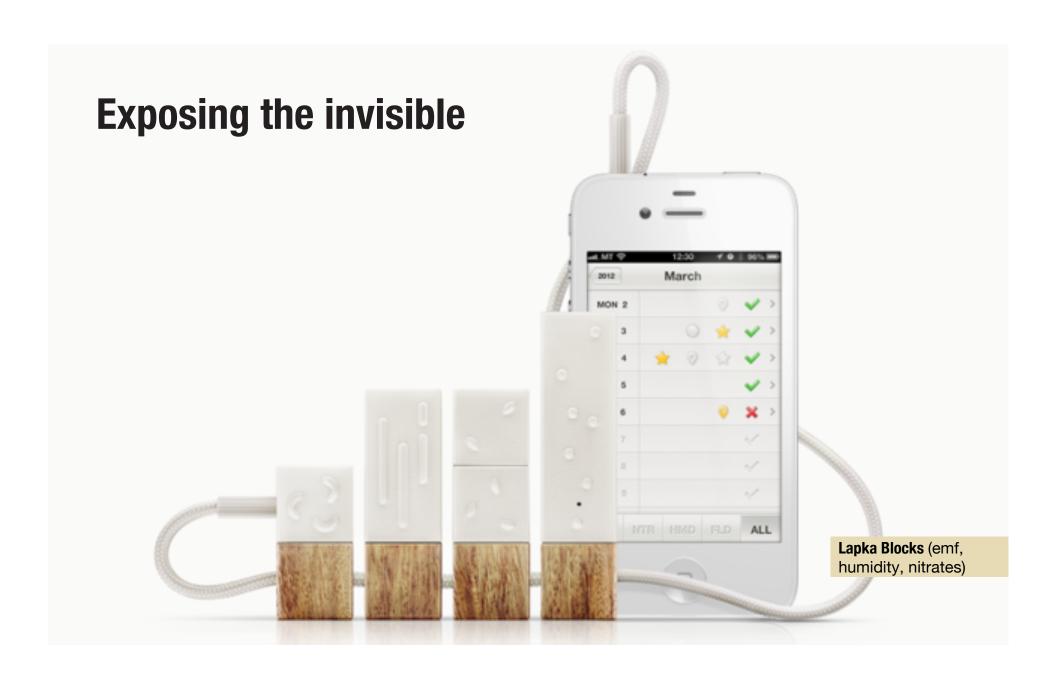
Exposing the Invisible
Remote monitoring and control
Accessing the inaccessible
Microscopic/macroscopic



Exposing the invisible



Ambient Umbrella



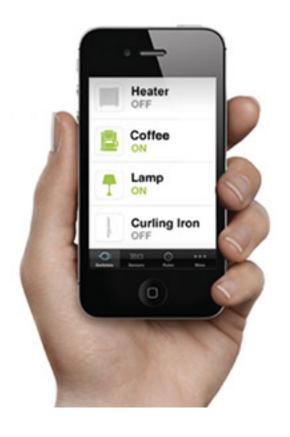








Remote control







Belkin Wemo

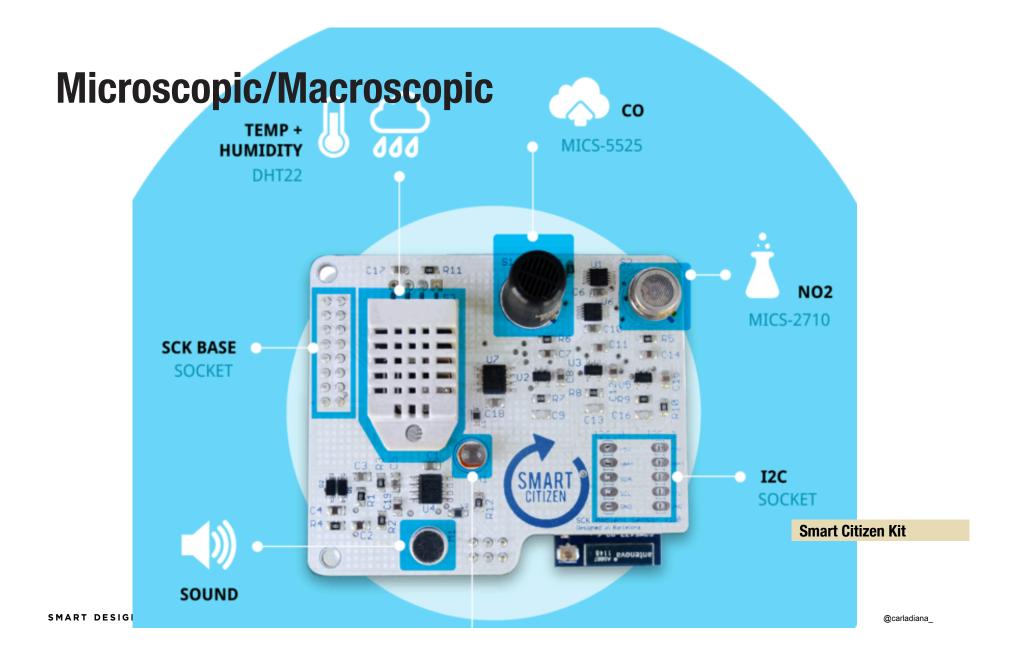


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Knowing...

myself



Self control
Mindfulness
Training
Behavior change
Identity

others



Virtual presence Sharing Team dynamics Health care

the world



Remote monitoring/control
Accessing the inaccessible
Exposing the invisible
Macroscopic/microscopic

A blank slate moment

Becoming part of everyday life

Products have to be "about" something: flexible platforms like NinjaBlocks and Twine are amazing for developers but most people need a clear sense of purpose and need

Data must be truly meaningful, compelling and fairly complete: fitness trackers are great for runners and walkers, but what about cyclists and skaters?

Information should come from multiple sources: my Withings scale and data tracking is helpful, but not enough. Jawbone recently partnered with Whistle and Automatic to integrate data.

Products must be easy to set up and install, giving us feedback in a human language: with most new wireless products, we are still a long way from plug and play

Vigilance and privacy must be balanced: keeping a constant eye on your home is valuable, but design should provide feedback regarding what is being watched, when

Power requirements are extremely challenging: dealing with cords and batteries detracts from the experience.

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Methods: trying it out and making it happen

Hacking what's out there







NEWSLETTER SIGN UZ

Your Email Address...

Your email address will never be shared with third parties

Submit

Connect your Robots. Reap the benefits™

User Name

Remember me next time

Forgot Your Password?

LOG IN

SIGN UP

Learn More

50 Billion Connected Devices by 2020, How Many Robots?

NOW AVAILABLE



MyRobots Connect

Serial-to-Ethernet gateway to get your robots connected right away.

Only USD \$77.55

ORDER NOW

CONNECTED ROBOTS

Private: 140 Secret: ??? Public: 576



- OldMan: LEGO MindSto...
- Rushay: iRobot Roomb...
- My little ...: Arduino
- jplrob: DFRobotShop ...
- kiran: Custom Robot

VIEW ALL

FOLLOW US



SHARE IT

Tweet

Q +1 < 41

f Share

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ifthisthenthat

Choose Trigger Channel

step 1 of 7

Showing Channels that provide at least one Trigger. View all Channels









Boxoh Package Tracking































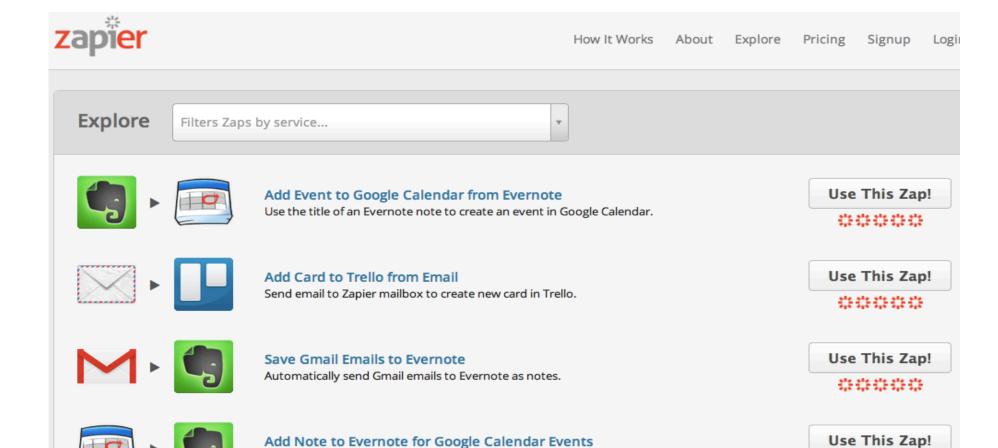












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Community

Documentation

Sign In

Sign Up

Internet of Things application with ThingSpeak

an open application platform designed to enable meaningful connections between things and people





You left your lights on 2 minutes ago

Light level was 89% in your room.

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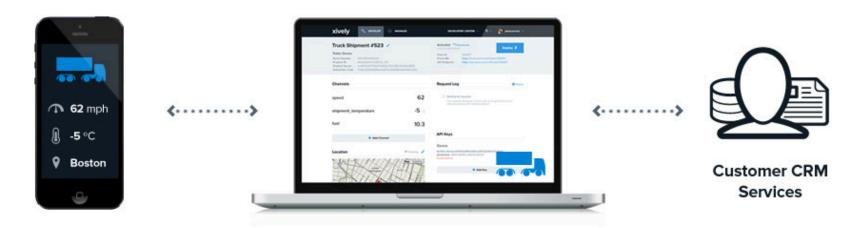
@carladiana_



Ridiculously simple messaging for the Internet of Things.

Fast, free and ridiculously simple— it's like Twitter for social machines.

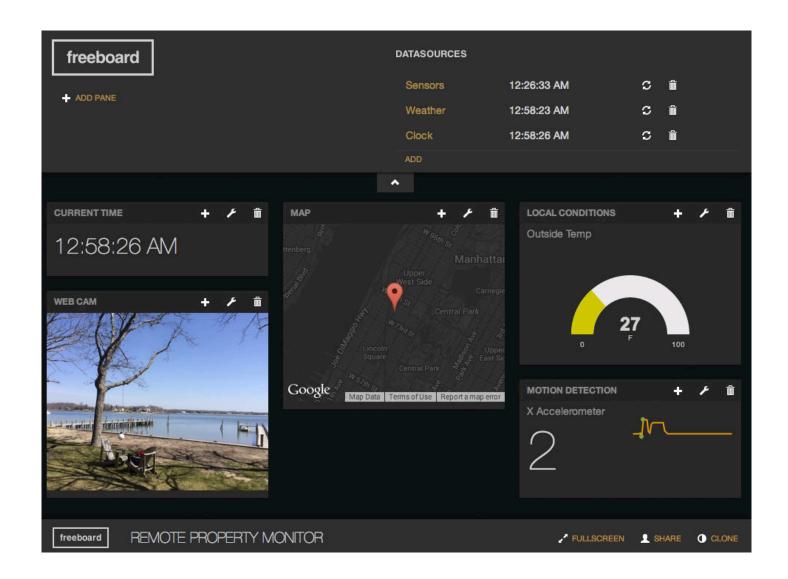
Integrate your application and services with your connected object

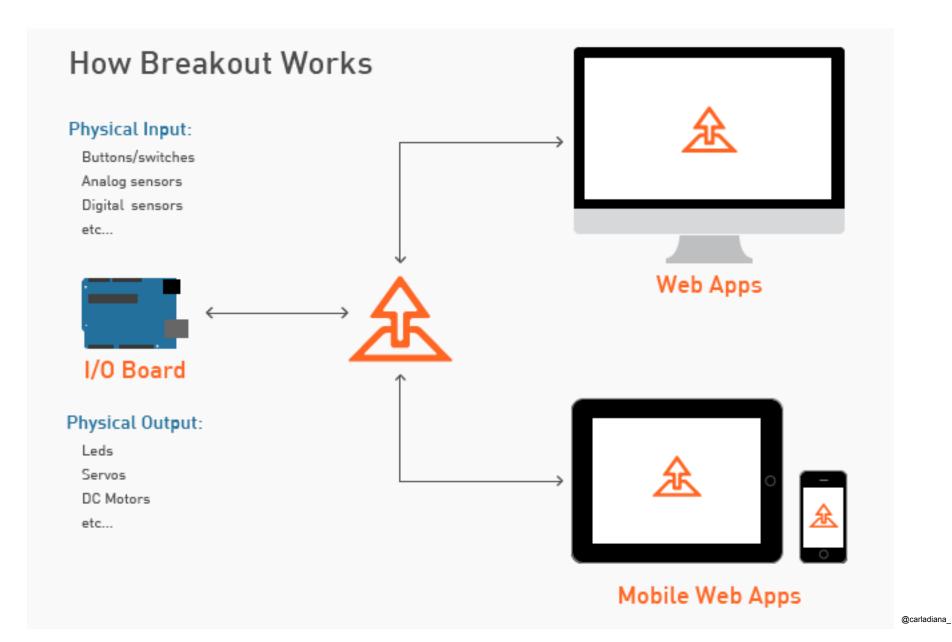


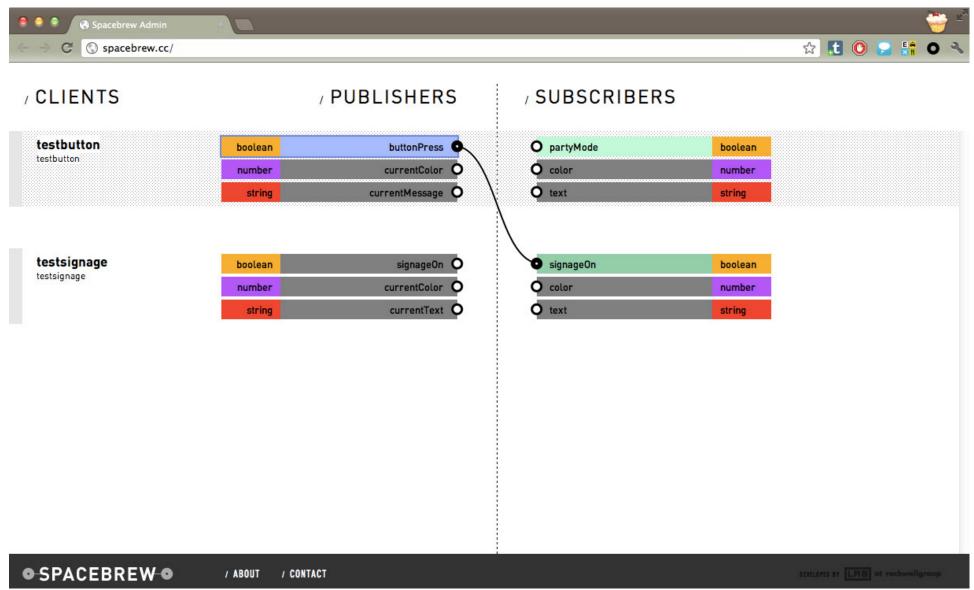
Build connected apps for anything and everything Design, build and debug your connected product with full control.

Using the Xively Developer Workbench, you can get

Integrate and leverage your own backend services







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UX London May 30, 2014

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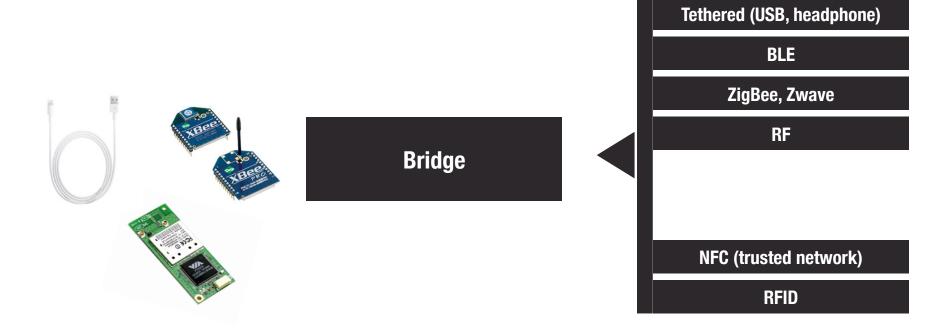






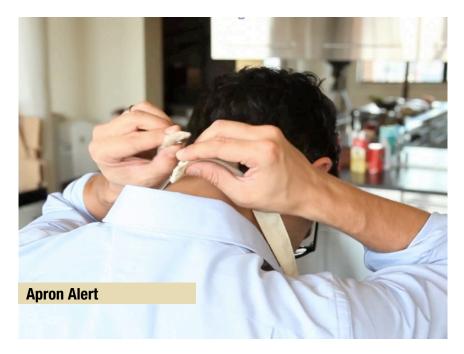
3G Lowest friction

WiFi In a home, office (not moving)



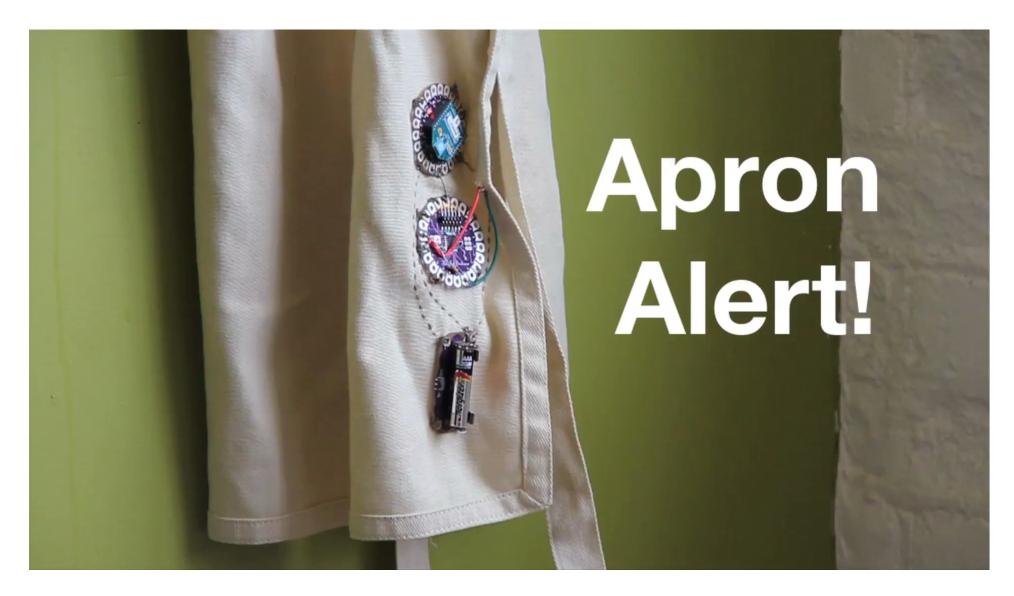
Something fun

Experiments in the lab









Resources

Tech resources: smartinteractionlab.com





ARDUINO V.10 READY!
COVERS: COMMUNICATION WITH WIRED AND
WIRELESS NETWORKS, ANDROID COMMUNICATION,
CLOUD COMMUNICATION AND MORE!



Building Internet of Things With Arduino



Designing the Internet of Things



Arduino ethernet shield/ wifi shield



Spark Core



Nanode



Electric Imp

Say Hello!

@carladiana_ smartinteractionlab.com

carla.diana@smartdesignworldwide.com