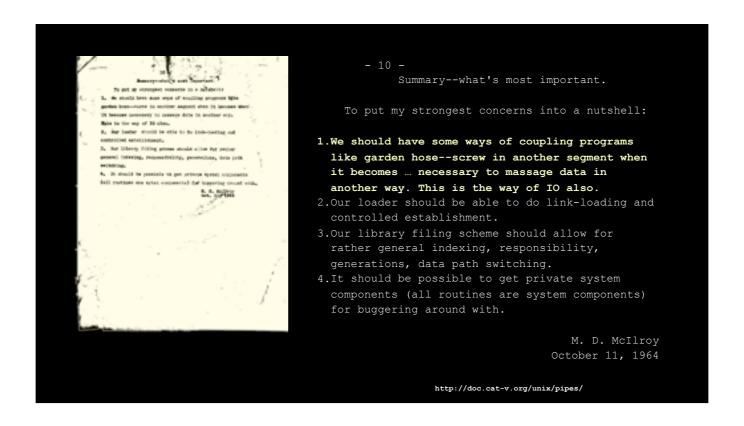
"The Art of Composition or: How I Learned To Stop Programming and Love the UNIX Pipe"

Andrew Ringler, October 27th 2016

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MassArt Professional and Continuing Education Thursday Night Lecture Series "or, at least love the idea of the UNIX Pipe"



http://doc.cat-v.org/unix/pipes/

In a typewritten piece of paper, Doug McIlroy described pipes long before the advent of Unix.

- 10 -

Summary--what's most important.

To put my strongest concerns into a nutshell:

- 1. We should have some ways of coupling programs like garden hose--screw in another segment when it becomes when it becomes necessary to massage data in another way. This is the way of IO also.
- 2. Our loader should be able to do link-loading and controlled establishment.
- 3. Our library filing scheme should allow for rather general indexing, responsibility, generations, data path switching.
- 4. It should be possible to get private system components (all routines are system components) for buggering around with.



Classic Sesame Street - Crayon Factory (stereo)
https://www.youtube.com/watch?v=PoM0p02KGcM

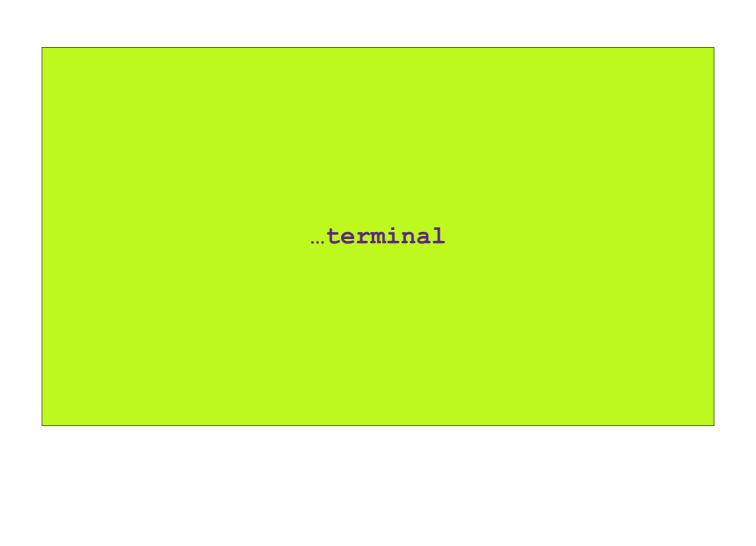
Published on Oct 12, 2014

Using music composed and performed by Richard Harvey. He breaks down the creation of "Watercourse" and "Exchange" here: https://www.youtube.com/watch?v=QvhX9... or https://youtu.be/QvhX9uxXMTA

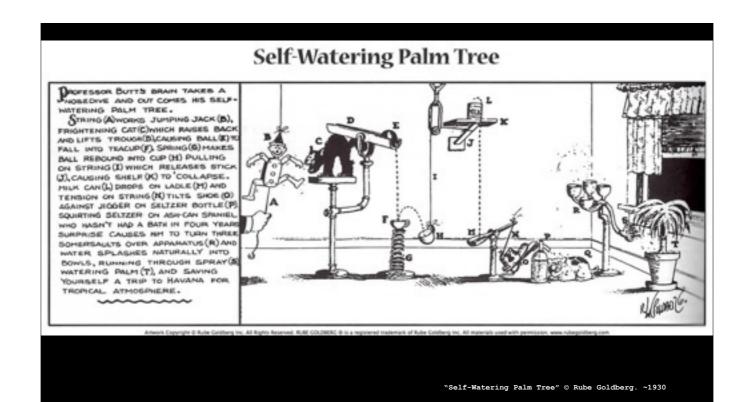
If you'd like to purchase this music on iTunes:

https://itunes.apple.com/us/album/kpm...





Rube Goldberg



copyright Rube Goldberg Inc.

https://www.rubegoldberg.com/artwork/self-watering-palm-tree/?c=45



OK Go - This Too Shall Pass - Rube Goldberg Machine - Official Video https://www.youtube.com/watch?v=qybUFnY7Y8w

Uploaded on Mar 1, 2010

From the OK Go album "Of the Blue Colour of the Sky" available at http://www.okgo.net/store

Director: James Frost, OK Go and Syyn Labs.

Producer: Shirley Moyers.

The official video for the recorded version of "This Too Shall Pass" off the album "Of the Blue Colour of the Sky". The video was filmed in a two story warehouse, in the Echo Park neighborhood of Los Angeles, CA. The "machine" was designed and built by the band, along with members of Syyn Labs (http://syynlabs.com/) over the course of several months.

There is an in-depth behind-the-scenes look at the warehouse here: http://www.okgo.net/this-too-shall-pa...

OK Go thanks State Farm for making this video possible.

Category

Music

License

Standard YouTube License



https://vimeo.com/26013639

Media Design Workshop at HfG Karlsruhe, held by The Product, Spring 2011

Our everyday life is more and more captured and stored as digital data. The promise says that an extensive collection of data can be translated into objective information, whereas the translation of data depends on the subjective selection of algorithms and devices.

The digital Rube Goldberg Processor articulates this subjectivity of data by transforming a flickr image in an endless cycle of interconnected computers and algorithms. Communication Design Department

Prof. Florian Pfeffer

Indra Häußler

Lecturer

Jens Wunderling

Patrick Kochlik

Students

Matthias Gieselmann

Kirstin Griech

Stefanie Miller

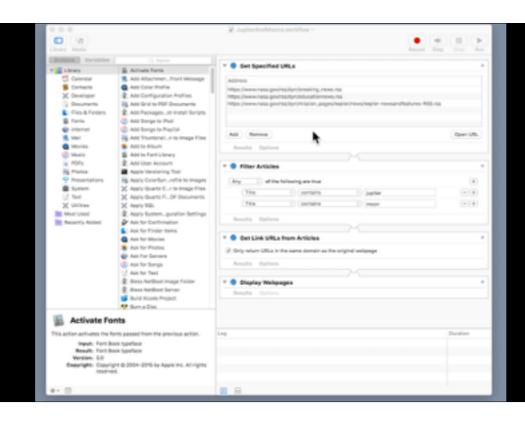
Simon Schelsky

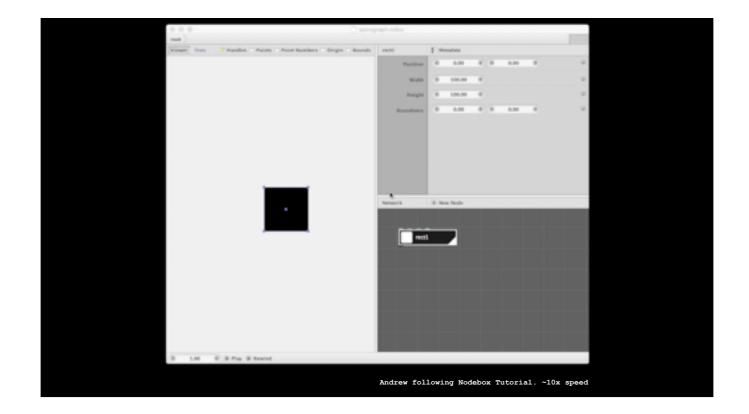
Nadja Schoch

Lisa Stöckel



http://www.macosxautomation.com/automator/examples/ex08/02.html



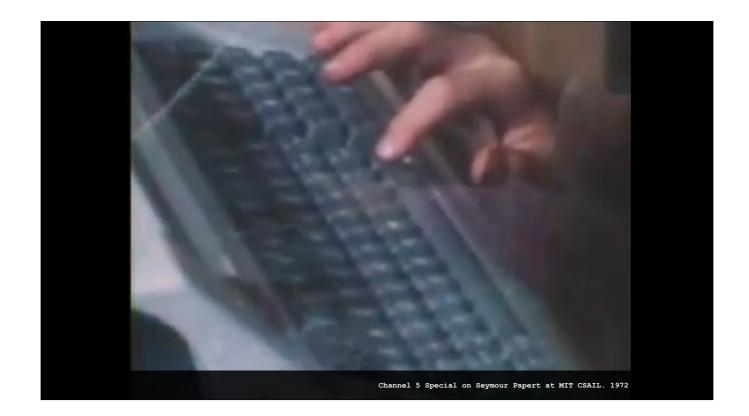


And here is what it looks like to actual code in Nodebox.

Here is me creating a spirograph (following the Nodebox tutorial online actually).

About 8min. sped up to just a few.

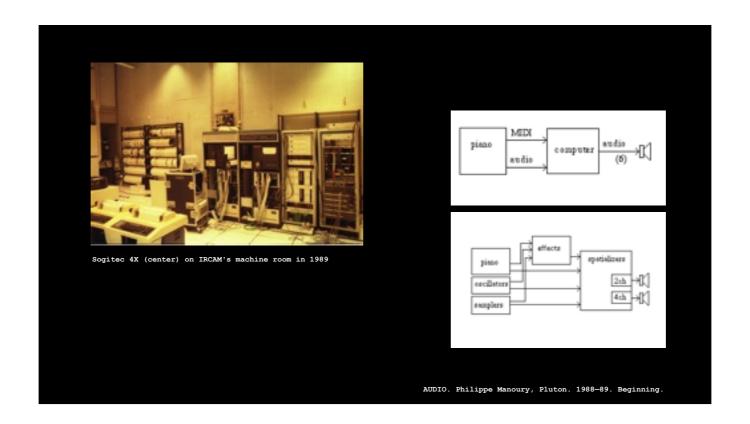




Papert, Seymour A. Title unknown. Channel 5 Special on Seymour Papert at MIT CSAIL". 1972.Video. Dec 1, 2016. https://www.youtube.com/ watch? v=xMzojQFyMo0>.

It is only six minutes long. Just watch it. 1972?





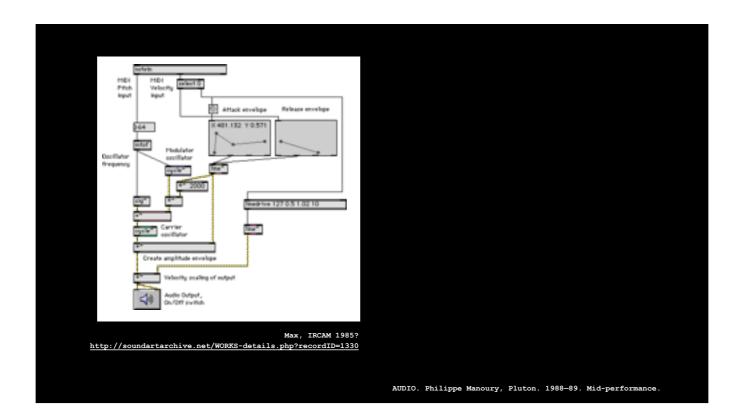
Philippe Manoury, Pluton (1988/89) first musical piece to use the Max software

http://msp.ucsd.edu/pdrp/latest/files/manoury-pluton/doc/manoury.htm http://msp.ucsd.edu/pdrp/latest/files/manoury-pluton/doc/ https://en.wikipedia.org/wiki/Max_(software) https://en.wikipedia.org/wiki/Sogitec_4X

Philippe Manoury, Pluton (1988/89) https://www.youtube.com/watch?v=JFnW7Xocb_U

https://web.archive.org/web/20040707132901/http://www-crca.ucsd.edu/~msp/pdrp/latest/patch/manoury-pluton/doc/history.htm

Pluton (1988), by Philippe Manoury, is a piece for piano and computer lasting about 48-51 minutes. The computer senses the performer's piano playing through a MIDI interface. This is used to synchronize the computer with the piano (using score following) and also as a source of additional control. Manoury explores the idea of using



Philippe Manoury, Pluton (1988/89) first musical piece to use the Max software

 $\underline{\text{http://msp.ucsd.edu/pdrp/latest/files/manoury-pluton/doc/manoury.htm}}$

http://msp.ucsd.edu/pdrp/latest/files/manoury-pluton/doc/

https://en.wikipedia.org/wiki/Max_(software)

https://en.wikipedia.org/wiki/Sogitec_4X

Philippe Manoury, Pluton (1988/89) https://www.youtube.com/watch?v=JFnW7Xocb_U

https://web.archive.org/web/20040707132901/http://www-crca.ucsd.edu/~msp/pdrp/latest/patch/manoury-pluton/doc/history.htm

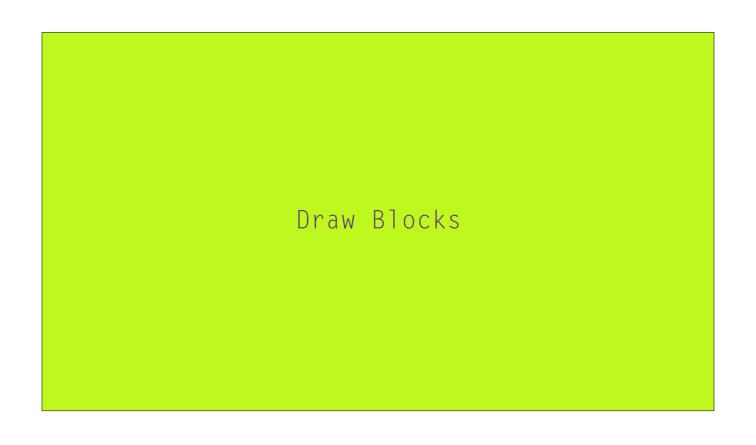
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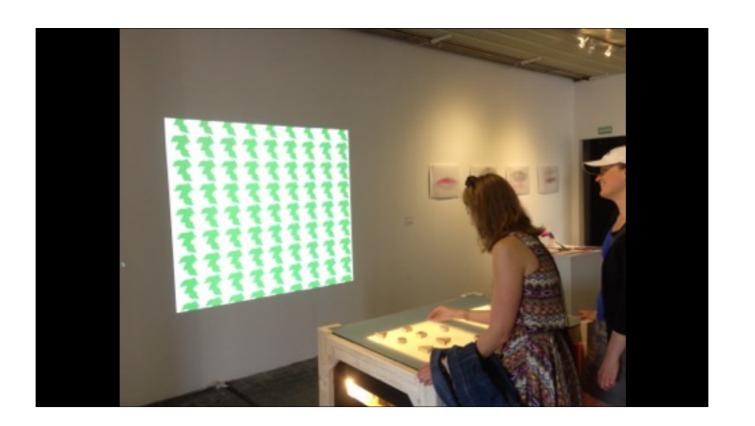


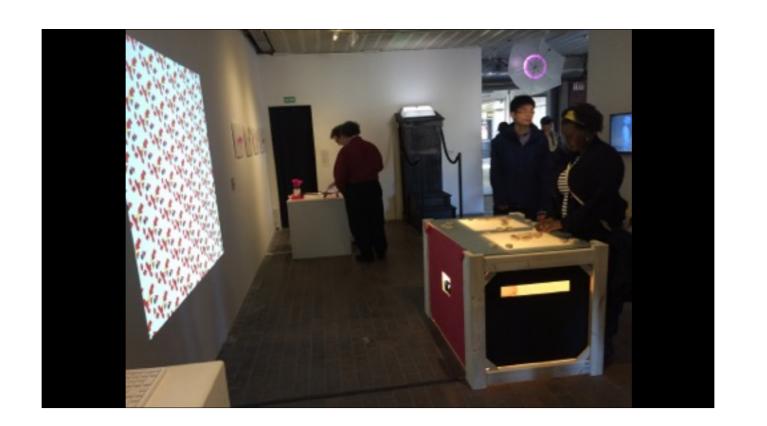
Fruit Beets

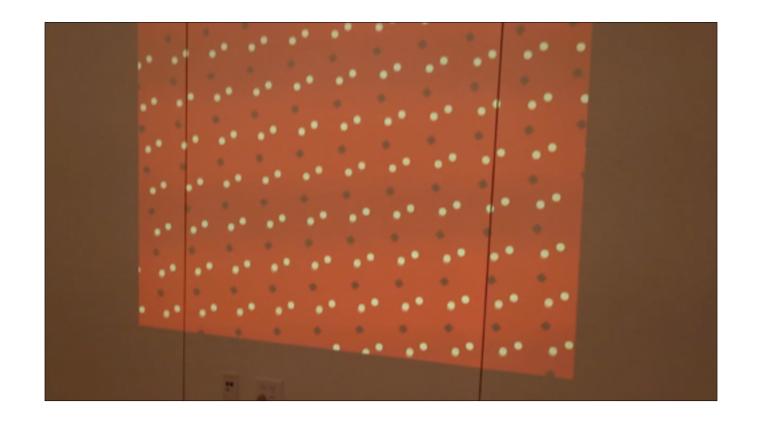




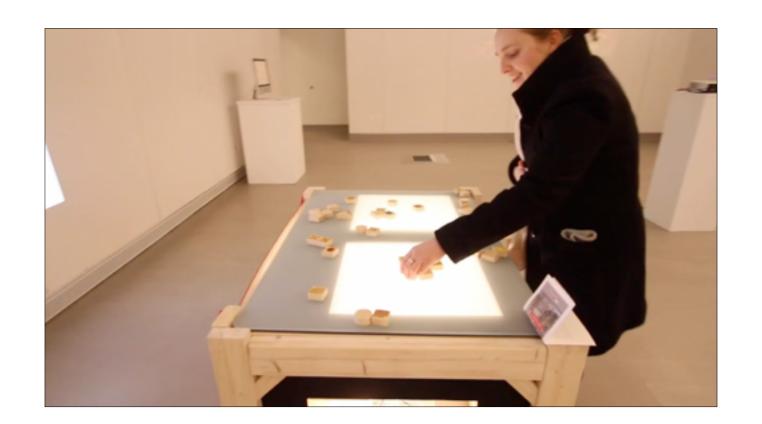


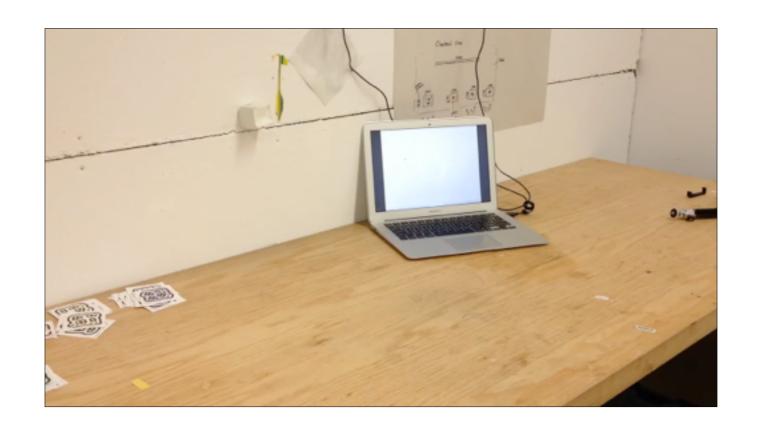








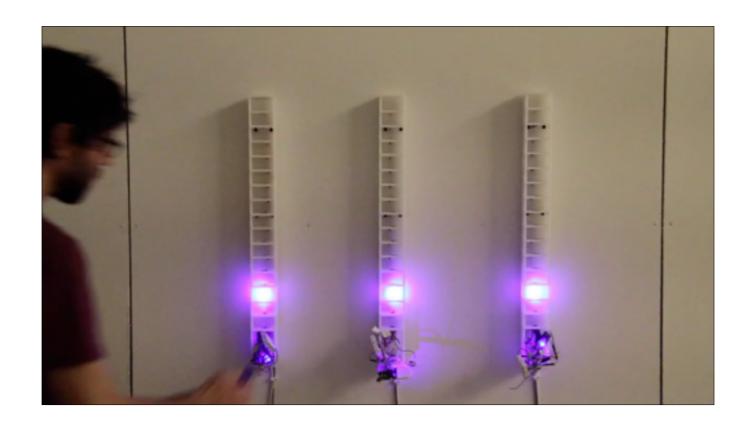


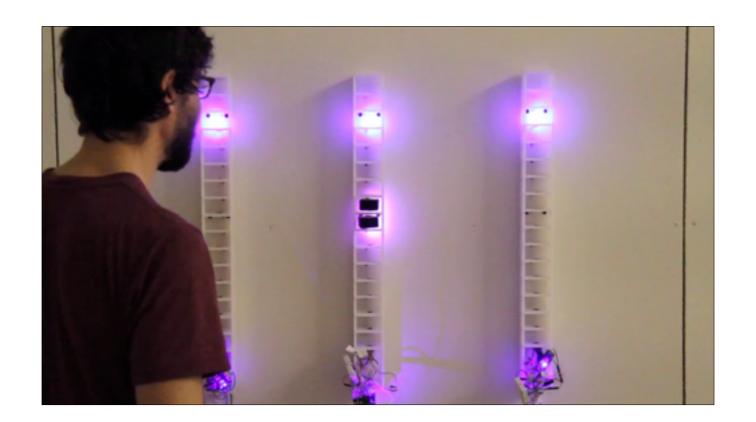


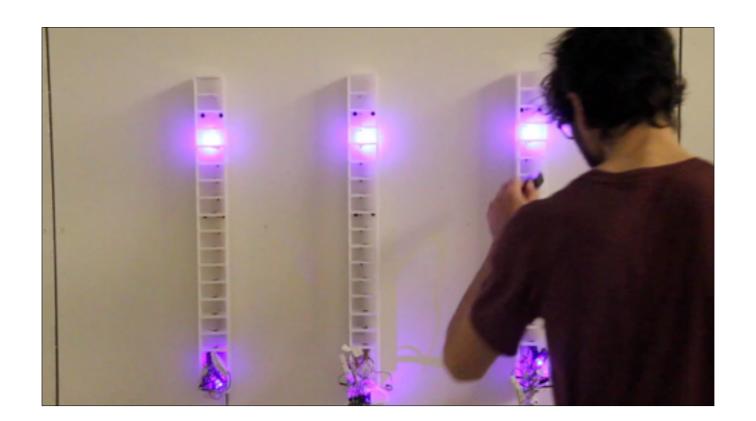
Sequencing Marbles

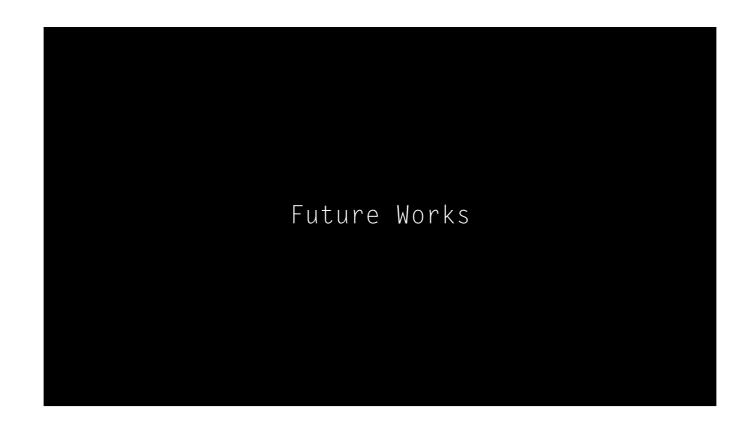




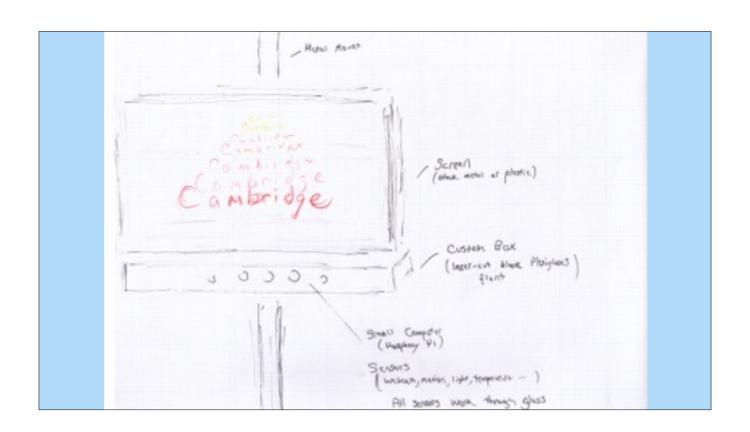


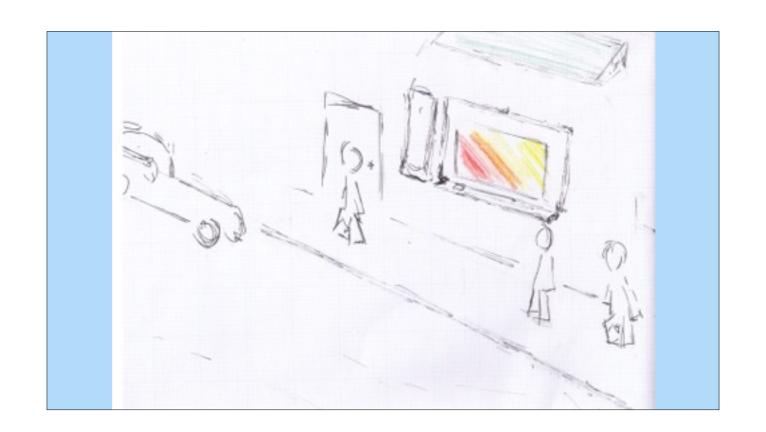




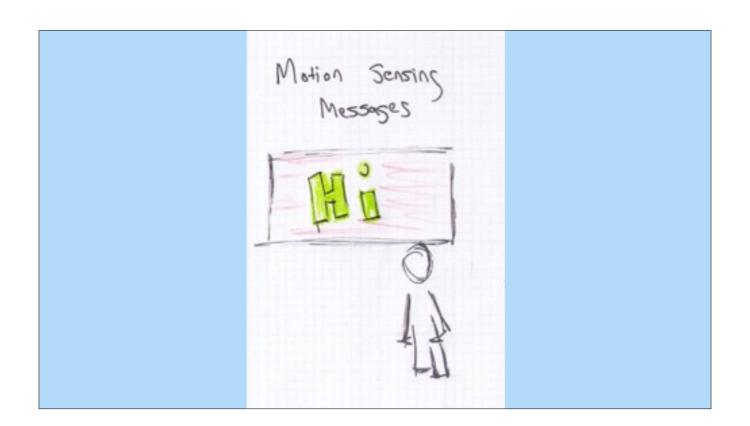


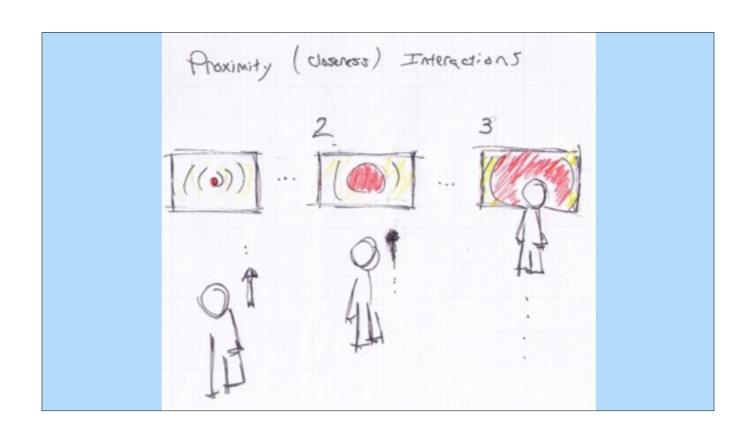
Art Screen Project

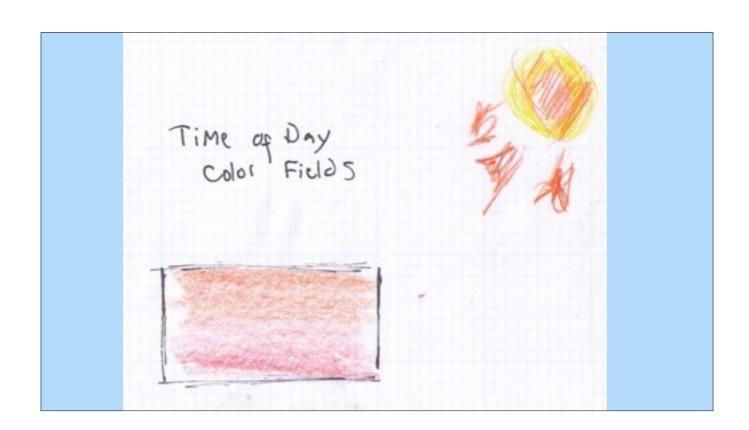












say -v andrew "thank you."

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andrew@andrewringler.com

MassArt Professional and Continuing Education Thursday Night Lecture Series Extra Slides



LEGOs the modular building block modular construction

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reference

Overly long video of my brilliant adorable children playing with Legos. https://www.youtube.com/watch?v=zJ-zdogOctw