

# **AMAZING INTERACTIVE ARTISTS**

**JOSH MILLER**

# PROJECT TOPICS

**Interactive Installation (physical), museum interactive**

**Interactive Infographic/Data Visualization**

**Web app / Mobile web app (perhaps wrapped in a Phonegap app)**

**Native iOS/Android app**

**Physical objects generated by code (3d print/laser)**

**2d/3d game**

**Interactive digital art**

**Planetarium interactive/Gesture recognition**

# SOFTWARE SUGGESTIONS

Processing

p5.js

p5 Play

Unity Game Engine

A-Frame

D3

# HARDWARE

## (THAT YOU CAN BORROW THIS SEMESTER)

Arduino, motors, sensors

Raspberry Pi

Kinect (v1 & v2)

Microphone

Webcam

iPad

Android tablets

Leap Motion

Audio Mixers

Oculus Rift Dev (Vive in Lib)

Google cardboard

Projectors/touch screen

Estimote Beacons (mobile app)

Makey Makey

TV/Computer

3D Printers – Ultimaker (SH fab lab)

Laser Cutter

Router

MYO band

Fabric printer/screenprint

Muse headset

360° camera (Ricoh Theta)

**PEOPLE**

# DALZIEL & POW

<https://vimeo.com/121878247>

<http://www.dalziel-pow.com/blog/zippy-digital-installations-making>

## More interactive posters

<http://thecreatorsproject.vice.com/blog/interactive-poster-produces-sound-through-touch>

<http://thecreatorsproject.vice.com/blog/interactive-sound-posters-trapped-in-suburbia>

# **RAFAEL LOZANO- HEMMER**

<http://www.lozano-hemmer.com/projects.php>

<http://www.todayandtomorrow.net/2012/01/11/tape-recorders/>

# **RANDOM INTERNATIONAL**

<http://random-international.com/work>

**RAIN ROOM**

**Audience**

**Exhibition this fall**

[http://thecreatorsproject.vice.com/blog/random-international-exhibition-rain-room?utm\\_source=tcptwitterus](http://thecreatorsproject.vice.com/blog/random-international-exhibition-rain-room?utm_source=tcptwitterus)



# DANIEL ROZIN

<http://www.youtube.com/watch?v=BZysu9QcceM&feature=related>

<http://www.bitforms.com/daniel-rozin-gallery.html>

<http://www.smoothware.com/danny/>

# THEO WATSON / EMILY GOBEILLE

<http://design-io.com/>

<http://www.theowatson.com/>

<http://zanyparade.com/v8/>

# BEER FRIDGE

<http://www.dailymail.co.uk/video/news/video-1102827/Molson-beer-fridge-opens-sing-O-Canada.html>

( behind the scenes

<https://www.youtube.com/watch?v=00em3uo4ndA> )

Scan passport

<https://www.youtube.com/watch?v=8gper3YkzMg>

Global fridge <https://www.youtube.com/watch?v=-z9d1sk3N-M>

# PIPILOTTI RIST

[http://www.luhringaugustine.com/exhibitions/pipilotti-rist\\_2/#](http://www.luhringaugustine.com/exhibitions/pipilotti-rist_2/#)

<http://www.youtube.com/watch?v=RwVk5yyyLnw>

**Similar but not at all related**

<http://hifructose.com/2015/01/16/david-spriggss-optical-installations-create-3d-illusions/>

# SHADOW MONSTERS

<http://www.moma.org/visit/calendar/exhibitions/1346>

[http://www.youtube.com/watch?v=g0TOQo\\_7te4](http://www.youtube.com/watch?v=g0TOQo_7te4)

**CONCEPTS**

# WEARABLES

<http://thecreatorsproject.vice.com/blog/gold-leaf-temporary-tattoos-user-interfaces>

# PROJECTION MAPPING

<http://www.youtube.com/watch?v=UcSdgHfGspU>

<http://www.fastcodesign.com/1663068/art-installation-bends-a-building-facade-to-the-sound-of-your-voice-video>



# NOT REALLY PROJECTION MAPPING

<http://www.thisiscolossal.com/2017/12/interactive-led-sculpture-projects-visitors-faces-14-feet-tall-in-columbus-oh/>

# PROJECTION MAPPING

<http://www.obscuradigital.com/work/detail/uae-national-day-celebration/>

<http://work.gmunk.com/BOX-DEMO/>

# AUGMENTED REALITY

<http://www.youtube.com/watch?v=00FGtH5nkxM>

<https://github.com/jeromeetienne/ar.js>

<https://developer.apple.com/arkit/>

# VR

<http://apps.npr.org/rockymountain-vr>

<https://aframe.io/>

<https://get.google.com/tango/>

<https://24ways.org/2016/first-steps-in-vr/>

**Processing -> 360 video**

<https://github.com/tracerstar/processing-360-video/blob/master/README.md>

# DATA VIZ

<http://blog.chenalexander.com/2011/conductor-mta/>

<http://www.mta.me/>

<http://www.designboom.com/technology/loci-customizes-3d-printed-sculptures-of-air-travel/>

[https://cwhong.carto.com/viz/6dfca01c-47e5-11e6-9fd3-0ee66e2c9693/public\\_map](https://cwhong.carto.com/viz/6dfca01c-47e5-11e6-9fd3-0ee66e2c9693/public_map)

# INFOGRAPHICS

[http://www.theguardian.com/world/ng-interactive/2014/aviation-100-years?CMP=fb\\_gu](http://www.theguardian.com/world/ng-interactive/2014/aviation-100-years?CMP=fb_gu)

<http://twitter.github.io/interactive/newyear2014/>

<https://www.nytimes.com/interactive/2016/12/26/upshot/duck-dynasty-vs-modern-family-television-maps.html>

[https://cwhong.carto.com/viz/6dfca01c-47e5-11e6-9fd3-0ee66e2c9693/public\\_map](https://cwhong.carto.com/viz/6dfca01c-47e5-11e6-9fd3-0ee66e2c9693/public_map)

## NY Times Infographics

- <http://bost.ocks.org/mike/>
- <http://shancarter.com/>

**MORE  
LINKS**

**Scott Garner** [http://scott.j38.net/work/interactive/still life/](http://scott.j38.net/work/interactive/still_life/)

**Movie Visualization** <http://gizmodo.com/5875455/this-is-what-movies-look-like-broken-down-by-color-and-motion>

**Lumibots**

<http://www.creativeapplications.net/objects/lumibots-arduino-objects/>

**Touching Installation**

[http://thecreatorsproject.vice.com/blog/kissing-brings-a-light-and-sound-installation-to-life?utm\\_source=tcplibus](http://thecreatorsproject.vice.com/blog/kissing-brings-a-light-and-sound-installation-to-life?utm_source=tcplibus)

**Symphony**

[http://thecreatorsproject.vice.com/blog/motion-sensing-robot-orchestra-plays-algorithmic-symphonies?utm\\_source=thumtwitterus](http://thecreatorsproject.vice.com/blog/motion-sensing-robot-orchestra-plays-algorithmic-symphonies?utm_source=thumtwitterus)

**Last Clock** <http://vimeo.com/27975734>



**Moving wall** <http://www.thibautsl.com/hexi>

**All the minutes – twitter** <http://alltheminutes.com/>

**Find a painting like your face**

[http://thecreatorsproject.vice.com/en\\_au/blog/rijks-emotions-finds-your-face-in-a-classical-painting?utm\\_source=tcptwitteranz](http://thecreatorsproject.vice.com/en_au/blog/rijks-emotions-finds-your-face-in-a-classical-painting?utm_source=tcptwitteranz) - uses [https://face-api.sightcorp.com/demo\\_basic/](https://face-api.sightcorp.com/demo_basic/)

**Plink music player** <http://www.dinahmoe.com/lab-projects/plink/>