

Stephanie Boluk
Patrick LeMieux
Dan Tankersley

tilt/SHIFT

September 15 - October 8, 2014
Western Oregon University
Cannon Gallery of Art

In the summer of 2014, the Cannon Gallery of Art invited Stephanie Boluk, a scholar and media theorist from Pratt Institute, and Patrick LeMieux, an artist and game designer from Duke University, to undertake a collaborative residency with Daniel Tankersley, an artist on faculty at Western Oregon University. From July 7 to 17, these three artists engaged the gallery, the campus, and the state of Oregon to produce *tilt/SHIFT*, an exhibition of a dozen new artworks comprising a network of photographic images, graphic user interfaces, media archeology, and site-specific art.

The term “tilt-shift” refers to a photographic technique in which the angle (tilt) and position (shift) of a lens are skewed in relation to the film or digital sensor. This can be used to effect a kind of hyperselective focus, blurring all but a thin, sharp plane within an image--often producing miniaturized or toylike appearances. The same narrowing of visual attention is enacted by a “manicule,” the miniature, pointing hand that first appeared in medieval manuscripts and is commonly used to represent the mouse cursor in computer operating systems. Click, drag, tilt, shift: both tilt-shift photography and the manicule icon operate according to an aesthetic of selection.

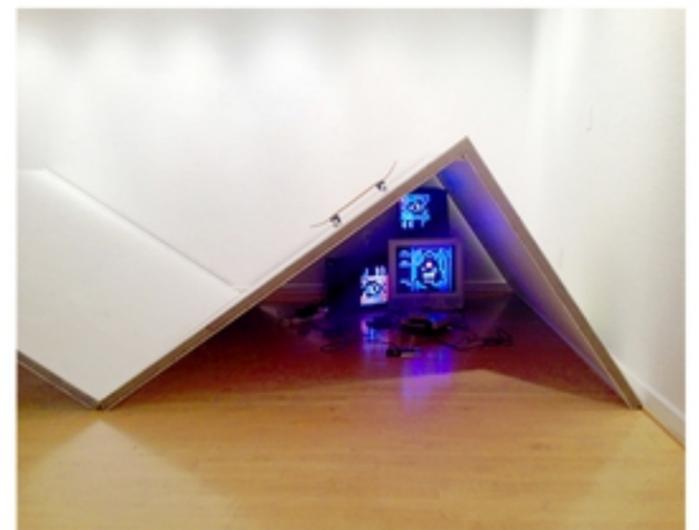
Paper or plastic? Coke or Pepsi? iPhone or Android? In the 21st century, selection expands from the conscious choice of individuals into a collective nonconscious--a cultural ideology structuring attention and desire. Upvote, like, heart, favorite: ubiquitous media platforms like Google and Facebook aggregate billions of individual selections into an invisible economy of clicks, flowing through The Dalles like the waters of the Columbia River. From a giant shift key to tilt-shift photography, and from shifted and tilted gallery furniture to the shifts and tilts of arcade play, *tilt/SHIFT* renders the culture of selection visible by appropriating its aesthetic.

Western Oregon University, the community of Monmouth, and the surrounding landscape of the Pacific Northwest provided a focal point and vital support for this exhibition. Special thanks to Paula Booth, Spencer Miller, Tony Kment, Mark Schroeder, Lexie Widmer, and Jann and Tom Tankersley for tilting and shifting their schedules to accommodate the residency.

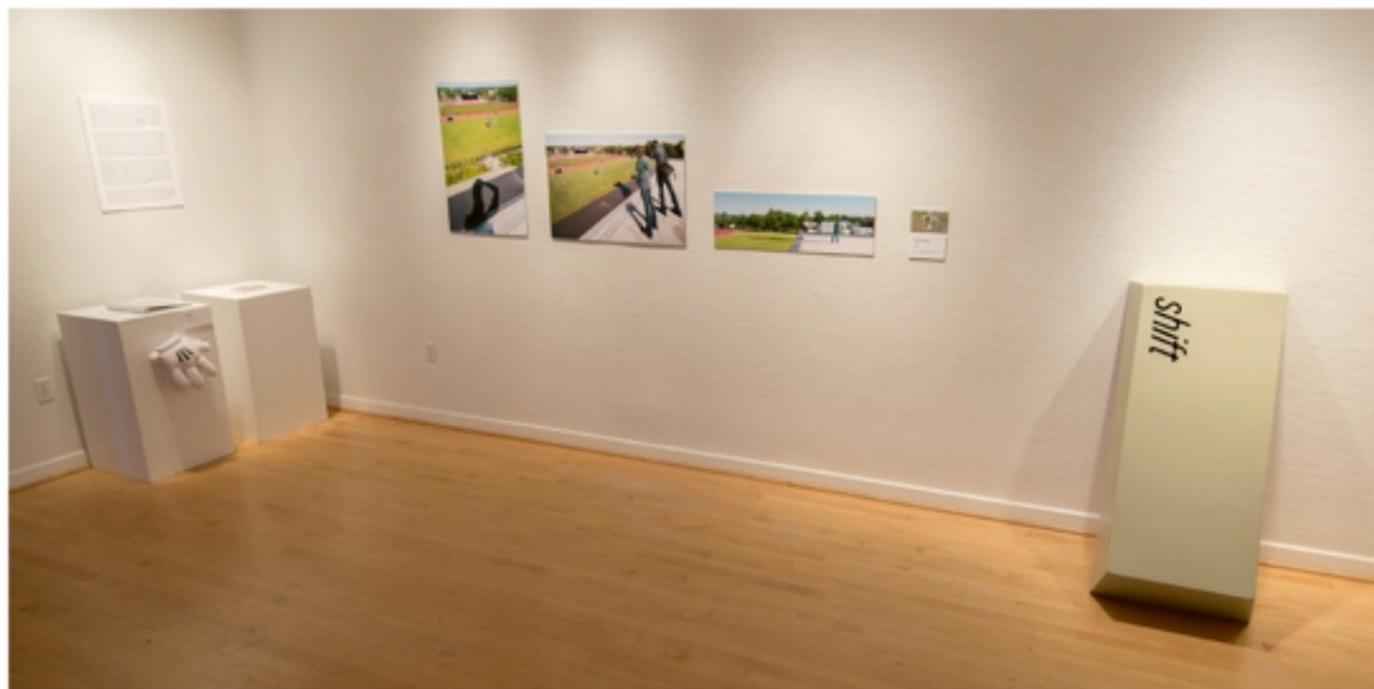
Dan and Gail Cannon Gallery of Art

345 N. Monmouth Ave.
Monmouth, Oregon 97361

Monday-Friday, 8am–5pm and by appointment
(503) 838-8607 or email boothp@wou.edu



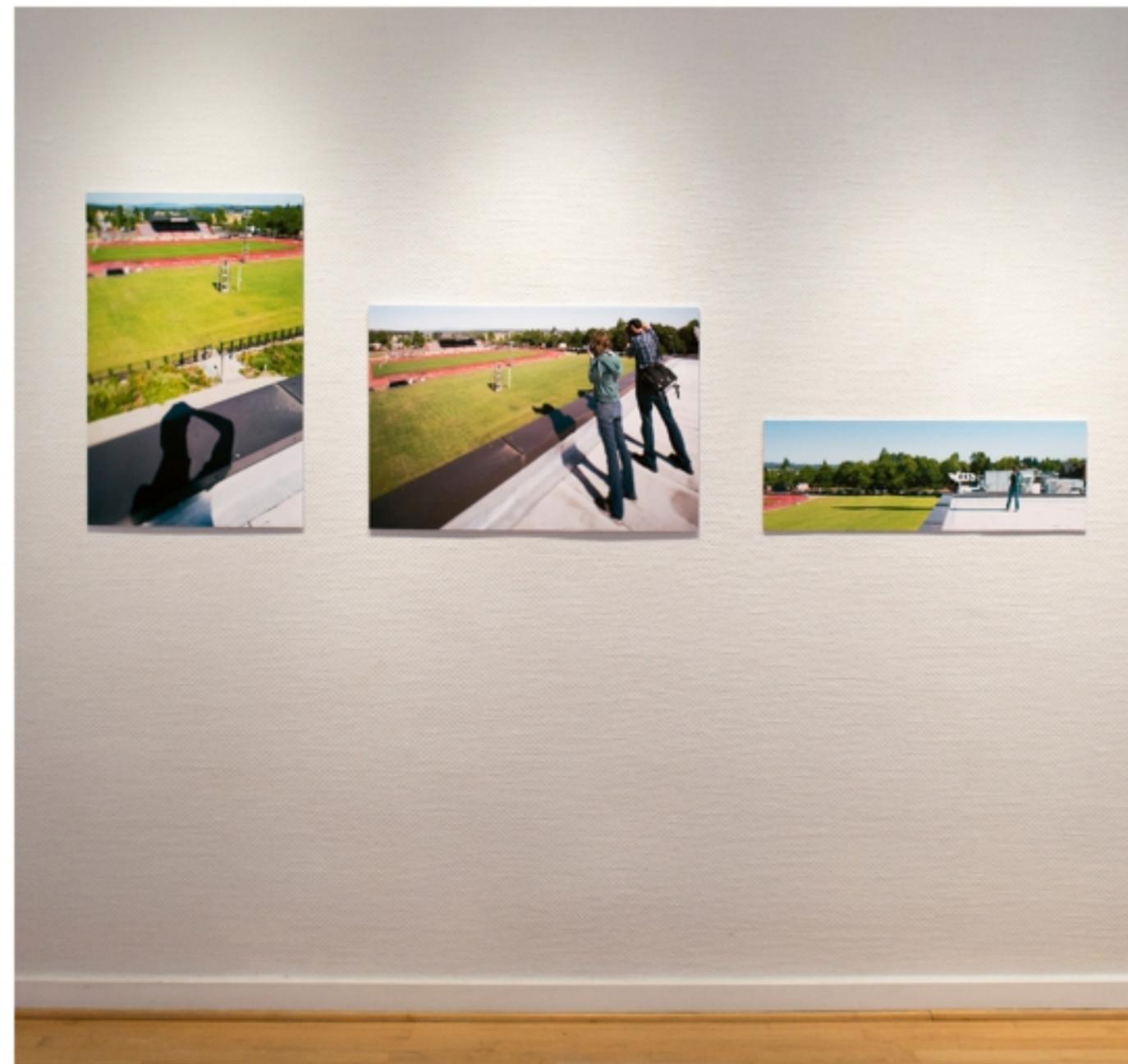




Read Me

dimensions variable
 Mickey Mitts, binder, plinth, hook
 July 2014

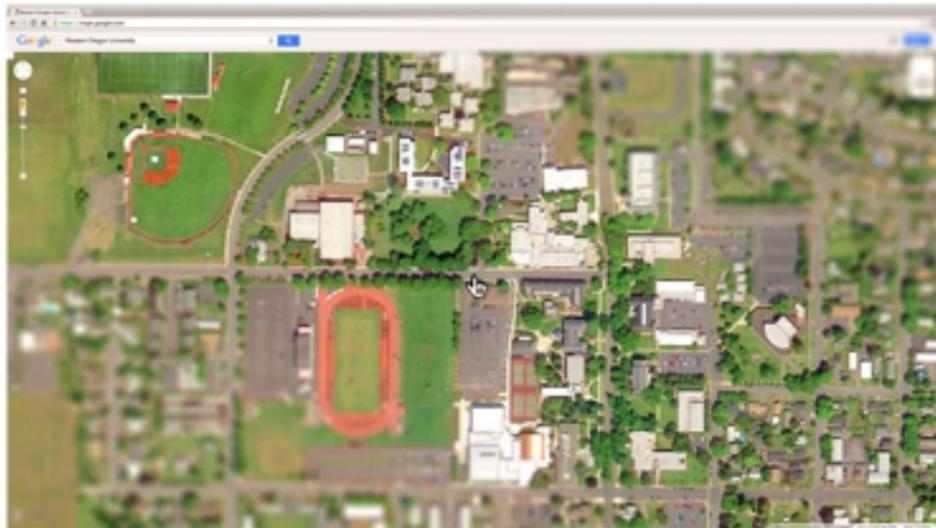
Please wear the gloves to inspect the book.



Depth of Field

60 x 30 inches
 inkjet prints
 July 2014

Triptych of tilt-shifted, rooftop photographs of Western Oregon University in Monmouth.





Tilted Shift

48 x 20 x 10 inches
plywood, latex, zinc
July 2014

A giant shift key, built to scale and tilted against the wall.







This is Not a (Half) Pipe

10 x 8 x 5 feet
skateboard, plywood wall divider
July 2014

Tilted and shifted away from the upright position, the Cannon Gallery's movable walls undergo a transformation to become sculptural objects in their own right. Referencing the classic caption floating beneath the photorealistic pipe in René Magritte's *The Treachery of Images* (1928-29), this (half) pipe plays with the "magic circle" of significance that both art galleries and skate parks produce. That is not a grinding rail, it's a park bench; that is not a (half) pipe, it's a piece of gallery furniture; and that is not a pipe, it's a painting of a pipe. From Magritte to Super Mario, the magic circle of art and games produce semiotic warp zones for conceptual experimentation, opening thresholds to new worlds or making useful links within familiar territory.



Michael Manicule

dimensions variable

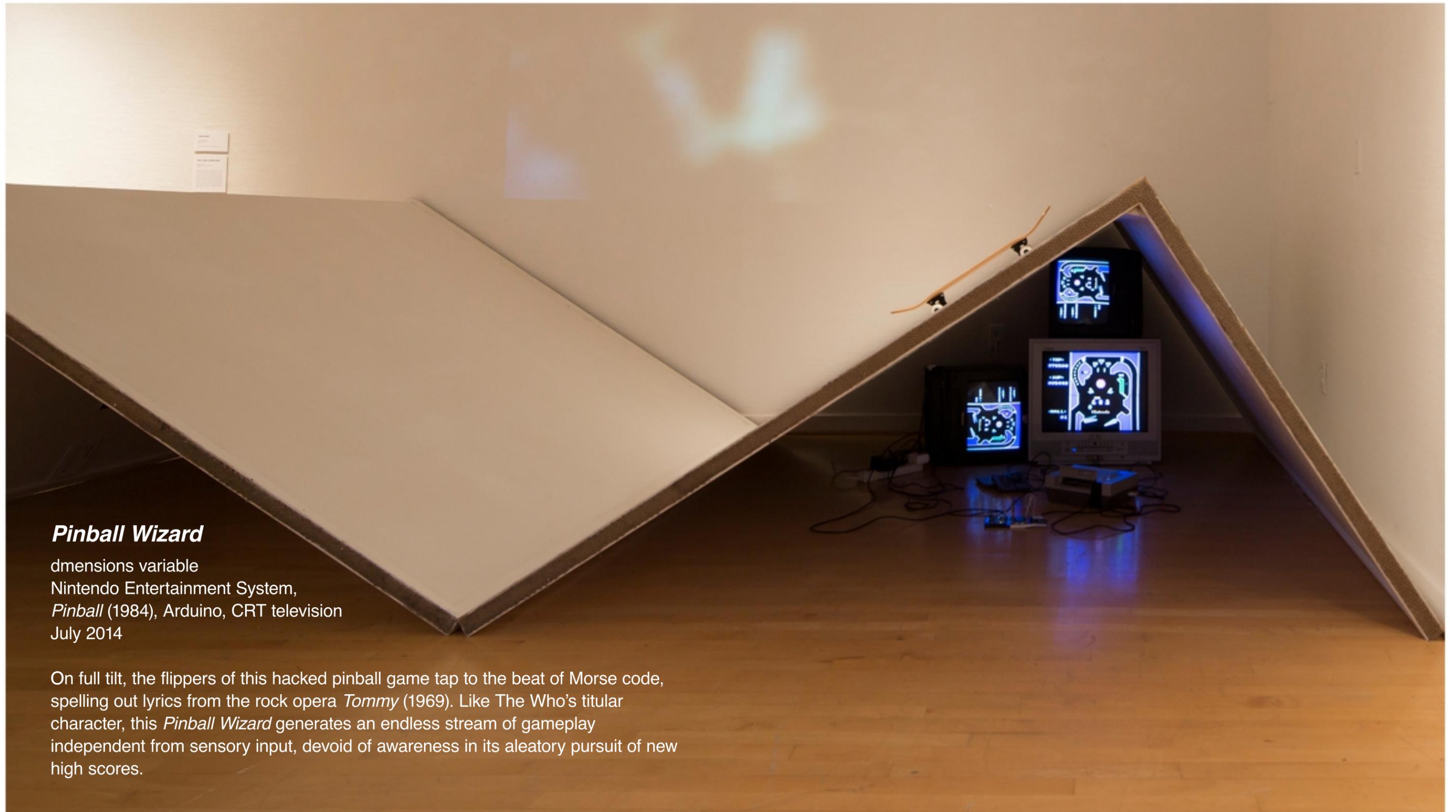
video loop

July 2014

On March 25, 1983, Michael Jackson made music history by performing the first moonwalk during a performance of “Billie Jean” on Motown 25: Yesterday, Today, Forever. During this performance, Jackson also donned a single, white, sequined glove for the first time. Both the moonwalk and the glove would become iconic, signature images within the pop singer’s repertoire. In this algorithmically edited video of Jackson’s performance, open source data from Evan Roth and Ben Engebret’s *White Glove Tracking* (2007), was used to zoom in on just the glove.

// 490 frames (~16.3 seconds) of data from *White Glove Tracking* (2007) by Evan Roth and Ben Engebret

571,364,471,28,47; 572,372,468,38,59; 573,380,466,47,67; 574,391,463,50,72; 575,406,461,52,70; 576,424,458,52,70; 577,445,458,52,68; 578,464,458,53,75; 579,483,458,56,80; 580,498,456,57,85;
581,512,454,63,89; 582,519,449,69,91; 583,522,443,83,92; 584,521,433,96,96; 585,514,421,108,101; 586,504,407,112,110; 587,490,392,113,114; 588,476,378,117,122; 589,460,365,122,121;
590,446,351,127,118; 591,427,338,125,115; 592,409,327,121,116; 593,392,319,119,120; 594,382,313,119,118; 595,374,309,121,116; 596,370,307,124,114; 597,369,305,126,110;
598,370,304,126,107; 599,370,303,124,106; 600,371,302,122,107; 601,372,302,122,106; 602,375,301,121,104; 603,377,301,119,104; 604,379,300,119,102; 605,380,300,117,100;
606,382,300,118,100; 607,383,301,118,103; 608,383,302,117,103; 609,383,304,112,101; 610,384,304,109,99; 611,382,303,107,99; 612,380,302,105,101; 613,377,301,105,102; 614,376,302,106,102;
615,375,302,108,102; 616,374,303,106,104; 617,371,303,104,104; 618,367,304,103,104; 619,363,304,103,100; 620,362,305,106,98; 621,361,305,106,93; 622,360,305,107,91; 623,358,305,104,91;
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633,340,310,104,97; 634,344,311,105,95; 635,347,313,107,93; 636,352,317,109,91; 637,357,325,113,91; 638,363,339,116,92; 639,368,360,123,97; 640,376,381,124,99; 641,387,408,111,99;
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Pinball Wizard

dimensions variable
Nintendo Entertainment System,
Pinball (1984), Arduino, CRT television
July 2014

On full tilt, the flippers of this hacked pinball game tap to the beat of Morse code, spelling out lyrics from the rock opera *Tommy* (1969). Like The Who's titular character, this *Pinball Wizard* generates an endless stream of gameplay independent from sensory input, devoid of awareness in its aleatory pursuit of new high scores.

```

// Initialize variables
int LEFT = 13; int RIGHT = 12; int START = 11; int time = 120;
void setup() { pinMode(LEFT, OUTPUT); pinMode(RIGHT, OUTPUT); pinMode(START, OUTPUT); Serial.begin(9600); }

// Declare lyrics to "Pinball Wizard" by The Who
char lyrics[1076] =
"EVER SINCE I WAS A YOUNG BOY.IVE PLAYED THE SILVER BALL.FROM SOHO DOWN TO BRIGHTON.I MUST HAVE PLAYED THEM ALL.BUT I AINT SEEN NOTHI
NG LIKE HIM.IN ANY AMUSEMENT HALL.THAT DEAF DUMB AND BLIND KID.SURE PLAYS A MEAN PIN BALL.HE STANDS LIKE A STATUE.BECOMES PART OF THE
MACHINE.FEELING ALL THE BUMPERS.ALWAYS PLAYING CLEAN.HE PLAYS BY INTUITION.THE DIGIT COUNTERS FALL.THAT DEAF DUMB AND BLIND KID.SURE PLAYS
A MEAN PIN BALL.HES A PIN BALL WIZARD.THERE HAS GOT TO BE A TWIST.A PIN BALL WIZARD.SGOT SUCH A SUPPLE WRIST.HOW DO YOU THINK HE DO
ES IT.I DONT KNOW.WHAT MAKES HIM SO GOOD.HE AINT GOT NO DISTRACTIONS.CANT HEAR THOSE BUZZERS AND BELLS.DONT SEE LIGHTS A FLASHIN.PLAYS B
Y SENSE OF SMELL.ALWAYS HAS A REPLAY.N NEVER TILTS AT ALL.THAT DEAF DUMB AND BLIND KID.SURE PLAYS A MEAN PIN BALL.I THOUGHT I WAS.THE
BALLY TABLE KING.BUT I JUST HANDED.MY PIN BALL CROWN TO HIM.EVEN ON MY FAVORITE TABLE.HE CAN BEAT MY BEST.HIS DISCIPLES LEAD HIM IN.AN
D HE JUST DOES THE REST.HES GOT CRAZY FLIPPER FINGERS.NEVER SEEN HIM FALL.THAT DEAF DUMB AND BLIND KIND.SURE PLAYS A MEAN PIN BALL.";

// Parse lyrics; call letter
void loop() {
  for (int i=0; i < 1075; i++) {
    if (lyrics[i] == 'A') { A(); }
    else if (lyrics[i] == 'B') { B(); }
    else if (lyrics[i] == 'C') { C(); }
    else if (lyrics[i] == 'D') { D(); }
    else if (lyrics[i] == 'E') { E(); }
    else if (lyrics[i] == 'F') { FF(); }
    else if (lyrics[i] == 'G') { G(); }
    else if (lyrics[i] == 'H') { H(); }
    else if (lyrics[i] == 'I') { I(); }
    else if (lyrics[i] == 'J') { J(); }
    else if (lyrics[i] == 'K') { K(); }
    else if (lyrics[i] == 'L') { L(); }
    else if (lyrics[i] == 'M') { M(); }
    else if (lyrics[i] == 'N') { N(); }
    else if (lyrics[i] == 'O') { O(); }
    else if (lyrics[i] == 'P') { P(); }
    else if (lyrics[i] == 'Q') { Q(); }
    else if (lyrics[i] == 'R') { R(); }
    else if (lyrics[i] == 'S') { S(); }
    else if (lyrics[i] == 'T') { T(); }
    else if (lyrics[i] == 'U') { U(); }
    else if (lyrics[i] == 'V') { V(); }
    else if (lyrics[i] == 'W') { W(); }
    else if (lyrics[i] == 'X') { X(); }
    else if (lyrics[i] == 'Y') { Y(); }
    else if (lyrics[i] == 'Z') { Z(); }
    else if (lyrics[i] == ' ') { space(); }
    else if (lyrics[i] == '.') { line(); }
  }
}

// Parse letter; call code
void A () { Serial.print('A'); dot(); dash(); wait(); }
void B () { Serial.print('B'); dash(); dot(); dot(); dot(); wait(); }
void C () { Serial.print('C'); dash(); dot(); dash(); dot(); wait(); }
void D () { Serial.print('D'); dash(); dot(); dot(); wait(); }
void E () { Serial.print('E'); dot(); wait(); }
void FF () { Serial.print('F'); dot(); dot(); dash(); dot(); wait(); }
void G () { Serial.print('G'); dash(); dash(); dot(); wait(); }
void H () { Serial.print('H'); dot(); dot(); dot(); dot(); wait(); }
void I () { Serial.print('I'); dot(); dot(); wait(); }
void J () { Serial.print('J'); dot(); dash(); dash(); dash(); wait(); }
void K () { Serial.print('K'); dash(); dot(); dash(); wait(); }
void L () { Serial.print('L'); dot(); dash(); dot(); dot(); wait(); }
void M () { Serial.print('M'); dash(); dash(); wait(); }
void N () { Serial.print('N'); dash(); dot(); wait(); }
void O () { Serial.print('O'); dash(); dash(); dash(); wait(); }
void P () { Serial.print('P'); dot(); dash(); dash(); dot(); wait(); }
void Q () { Serial.print('Q'); dash(); dash(); dot(); dash(); wait(); }
void R () { Serial.print('R'); dot(); dash(); dot(); wait(); }
void S () { Serial.print('S'); dot(); dot(); dot(); wait(); }
void T () { Serial.print("T"); dash(); wait(); }
void U () { Serial.print('U'); dot(); dot(); dash(); wait(); }
void V () { Serial.print('V'); dot(); dot(); dot(); dash(); wait(); }
void W () { Serial.print('W'); dot(); dash(); dash(); wait(); }
void X () { Serial.print('X'); dash(); dot(); dot(); dash(); wait(); }
void Y () { Serial.print('Y'); dash(); dot(); dash(); dash(); wait(); }
void Z () { Serial.print('Z'); dash(); dash(); dot(); dot(); wait(); }

// Parse code; output to NES
void dot () {
  digitalWrite(RIGHT, HIGH);
  delay (time);
  digitalWrite(RIGHT, LOW);
  delay (time); }

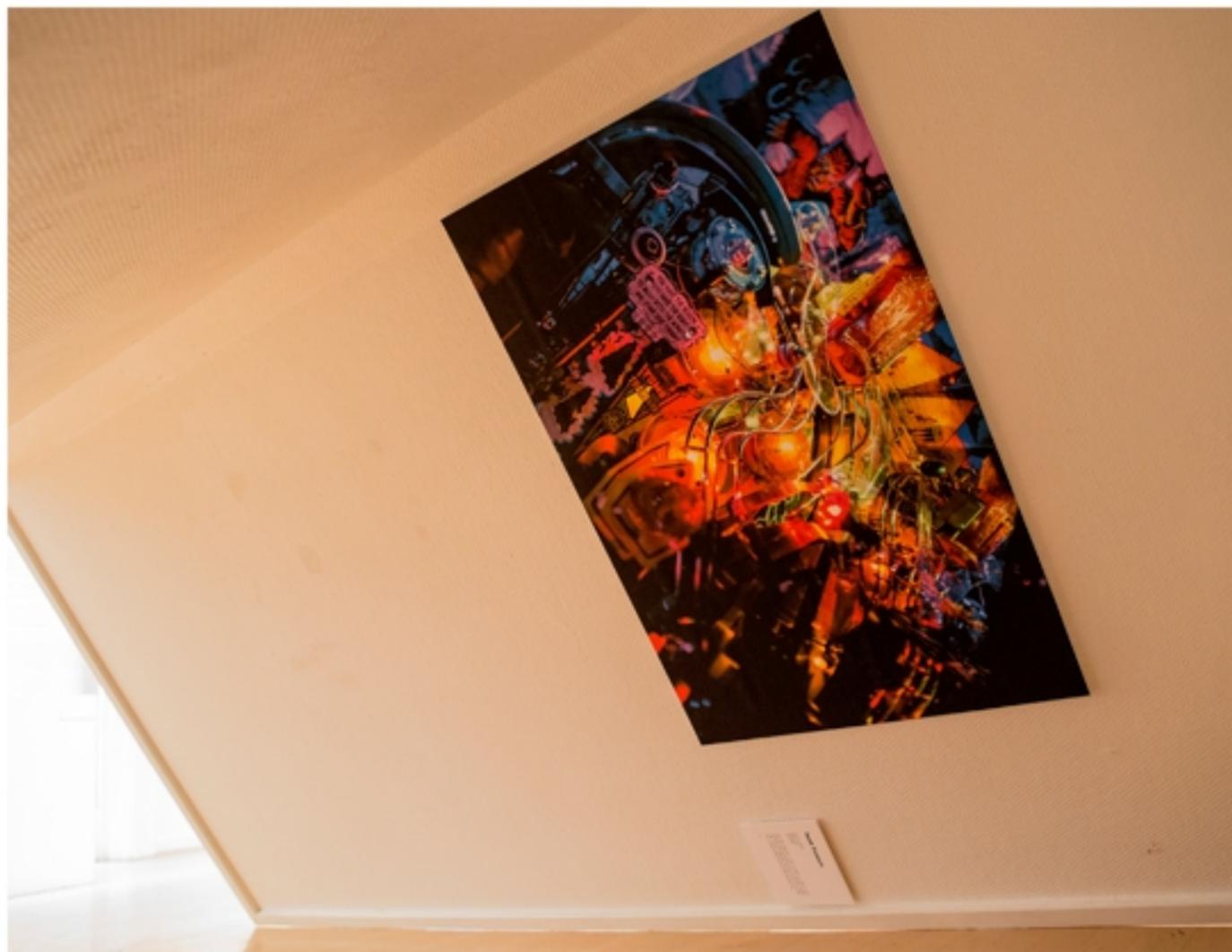
void dash () {
  digitalWrite(LEFT, HIGH);
  delay (time*3);
  digitalWrite(LEFT, LOW);
  delay (time); }

void line () {
  Serial.println();
  digitalWrite(START, HIGH);
  delay(time*3);
  digitalWrite(START, LOW);
  delay(time*3);
  digitalWrite(START, HIGH);
  delay(time*3);
  digitalWrite(START, LOW);
  delay(time); }

void space () {
  Serial.print(" ");
  delay(time*6); }

void wait () {
  delay(time*2); }

```

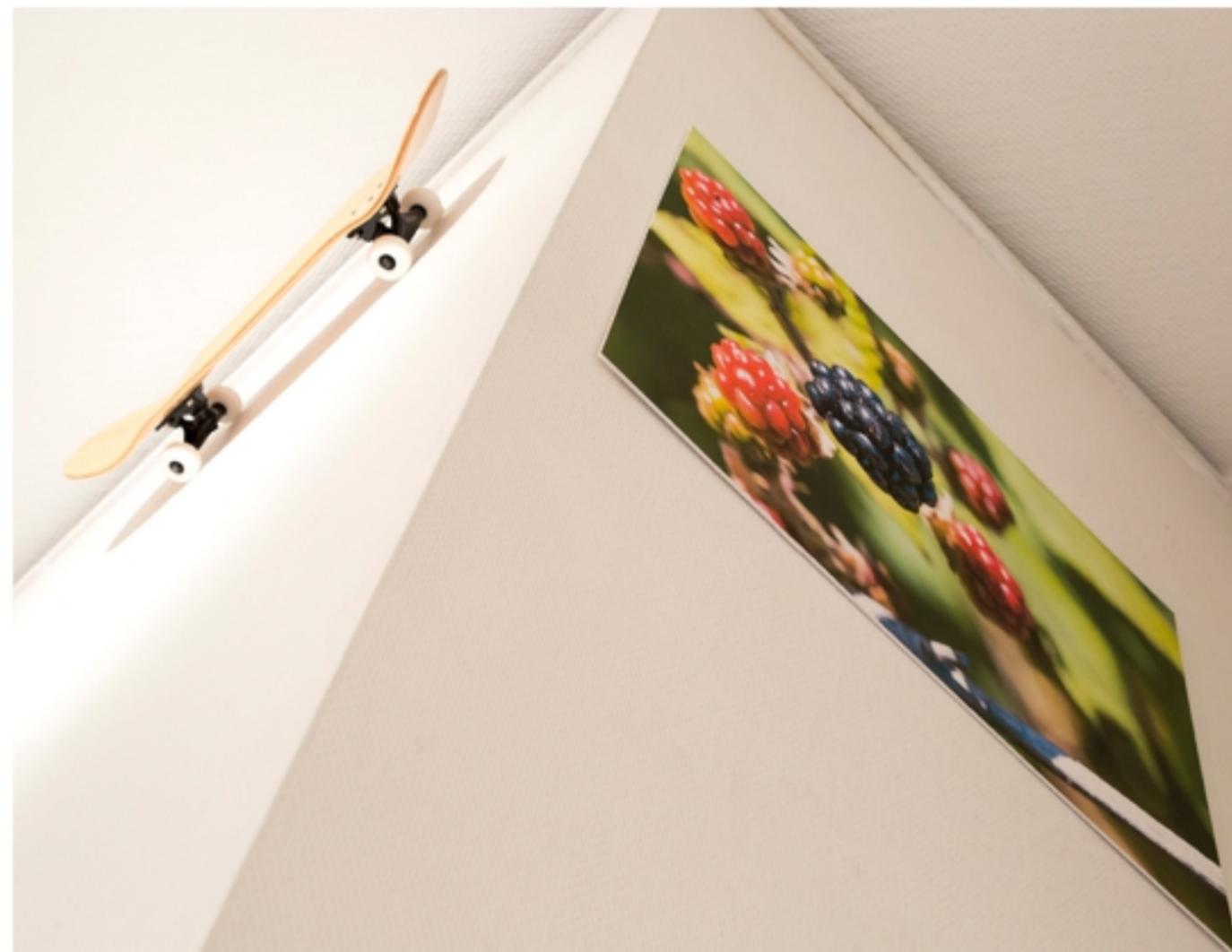


Tomb Treasure

32 x 21 inches
inkjet print
July 2014

YOU ARE LYING IN A CAVE. A MAZE OF TWISTY LITTLE PASSAGES STRETCHES BEFORE YOU, ALL DIFFERENT. NEARBY ARE A FOREST, FARMLAND, AND VAST FIELDS OF VOLCANIC ASH. A LARGE STREAM OF DATA FLOWS AROUND YOU.

>>



Media Ecology #GoogleBerries

32 x 21 inches
inkjet print
July 2014

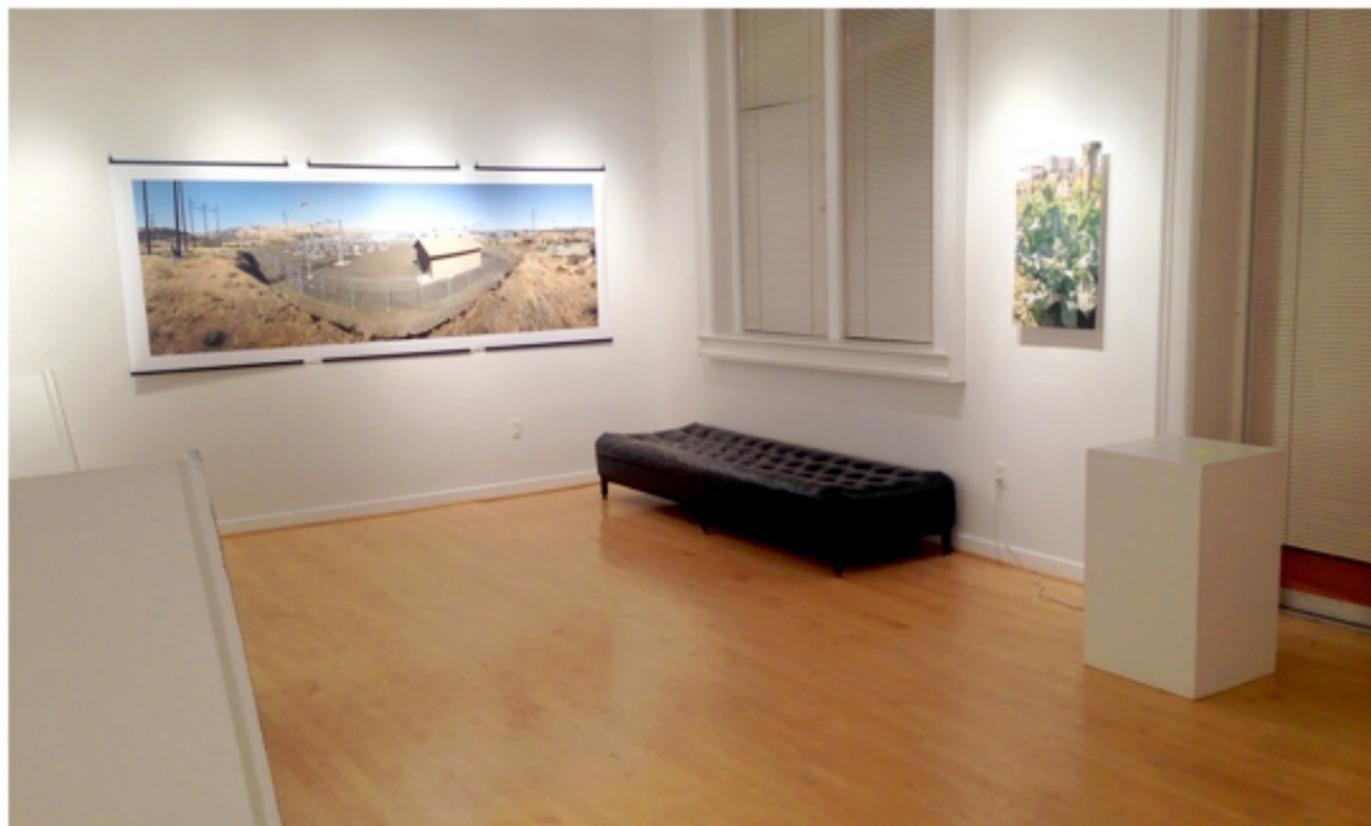
Blackberries grow outside the Google Data Center at The Dalles, enjoying the currents of the Columbia River while Google sucks the juice from nearby hydropower and the neuropower of the billions of clicks and queries. The sweat of users' brows precipitates into the data cloud that drives Google's emergent ecology. Despite community expectations, the company is said to employ only about 150 people in The Dalles. The windowless building built by human hands is not meant for human occupants.



Natural Power

108 x 36 inches
inkjet print
July 2014

This panoramic view depicts the Google server farm located next to a power station at The Dalles, an ancient and storied nexus for communication among people. The character and composition of the Columbia River has transformed many times in major ways. With the arrival of Google to its bank, the river reflects once more a shift in human activity, energy, and presumption. Camouflaged against the rolling hills of the gorge, the Google server farm joins the viewscape with ground, river and sky nearly seamlessly. The server farm building that has sprouted up and slowly expanded for less than a decade visually blends with basalt flows from fifteen million years ago. Beige concrete and a blue stripe match ambient colors as if Google had always been there, a natural structure within the volcanic and watery terrain.



Server Farm #GoogleBroccs

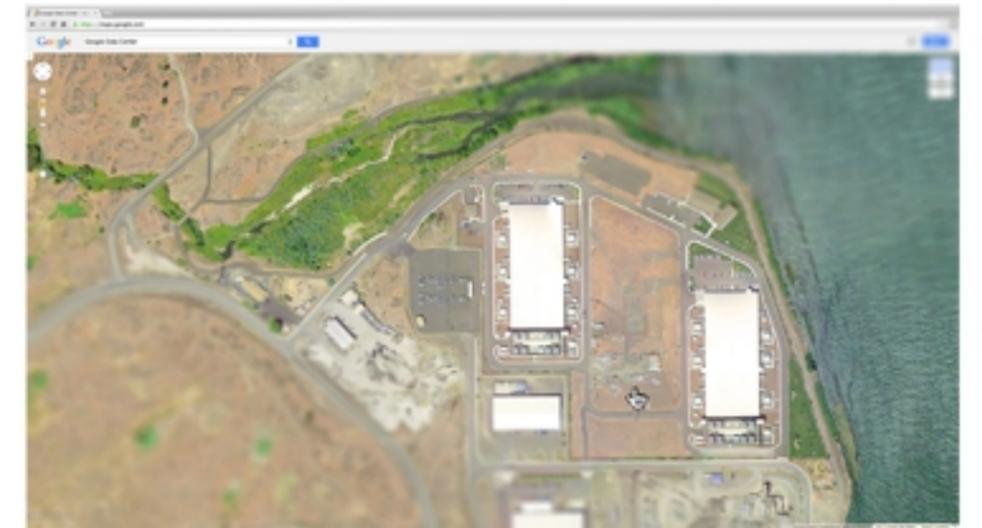
18 x 30 inches

inkjet print

July 2014

Broccoli flourishes in OSU's "Imagination Garden" directly outside Google's windowless building that continuously farms the attention of millions of users. The servers are the material substrate of the data cloud. A product of Google's collection of private information (data captured, stored, and processed at The Dalles), the cloud is a prime example of what Mark Hansen calls "atmospheric media"--ubiquitous and embedded media acting to ideologically structure everyday experience. Meanwhile, on the public nature trail around the data center and from the perspective of the garden, the corporation projects an appearance inviting and generous, nourishing and terrifying, imagic and kinetic, ephemeral and secretive, materially propertied and panoptic.







Tilt Me

18 x 31 x 18 inches

tilt sensor, Arduino, Mac Mini, Max/MSP, speakers

July 2014

This responsive plinth emits sine waves at frequencies correlating to the degree tilted. Please tilt the plinth.



Campus

31 x 32 inches

inkjet prints

July 2014

Diptych of tilt-shifted photographs from Google Data Center in The Dalles and Western Oregon University in Monmouth. Both corporate and university campuses require a great deal of infrastructure and maintenance. Workers depicted in these photographs labor to enable services: serving a ball for a game of tennis or serving Internet traffic. Whereas the professionals of Western Oregon University's Physical Plant keep working while students are on break, Google transports their construction teams via yellow school buses—a strange inversion of leisure and labor on two very different campuses. Increasingly, tech companies act to shift the character of the workplace away from an office toward an autonomous campus providing food, intellectual resources, recreation, and relatively little reason for employees to leave work.





Paint Me

18 x 31 x 18 inches

CRT television, Super Nintendo Entertainment System, *Mario Paint* (1992)

July 2014

Nintendo's *Mario Paint*, complete with mouse and mousepad, was released for the Super Nintendo Entertainment System in 1992. *Mario Paint*'s title screen is designed to teach the user how to control the mouse, a technology quickly emerging at the time thanks to personal computers like the Macintosh. Once the mouse is mastered, the user can set to work painting images, making music, and playing minigames. Well before the Mickey manicule was adopted within the Macintosh's graphic user interface, Mario's white, darted glove first appeared as a cursor icon in *Mario Paint*. Keeping with Japan's post-war practice of incorporating Disney's aesthetic into its animation, Mario's character design follows that of Mickey Mouse. From the longer history of vaudeville and minstrel shows to funny animal cartoons and Disney's mouse to Japanese videogames starring Super Mario, the long history of the white glove continues in contemporary computer operating systems like Macintosh OSX.

Click Me

18 x 31 x 18 inches

Apple Macintosh SE, *Hypercard 2.0* (1990)

July 2014

In 1984, Apple released the Macintosh, the first personal computer featuring a mouse, a built-in screen, and a graphic user interface. Instead of typing commands into a text prompt, the Macintosh invited users to click and drag a cursor icon across the "desktop," place documents in "files," and even take out the "trash." Shipped alongside this skeuomorphic interface was *Hypercard*, a program used to create "stacks" of slides navigated via hyperlinks—functionality that became the basis for browsing the world wide web. Susan Kare's "clicker" icon, the now ubiquitous white, right hand which appears above a hyperlink, was designed first for *Hypercard* before it was popularized within internet browsers and even Microsoft Windows in the mid 1990s. In 1997, Apple subtly adjusted Kare's original icon, transforming it into a "Mickey Manicule" with three darts and a cuff.



