



Camille Utterbach – “Text Rain”



Adrian M & Claire B – “XYZT”

## DIGITAL VISION – WEBCAM ART

After looking at works by artists who use code to transform or interact with video, students will create their own piece of “digital vision” artwork, which creatively changes the way we see or interact with our in-class webcams.

### Your project must include:

- **A visual transformation of the webcam video** – This can be altering the color, distorting the image, placing text, shapes, or images on top of the video, or something else I can’t even imagine.
- **Some form of interaction** – This can be done by responding to mouse or keyboard actions, by interacting with the camera itself (like Text Rain), or even using sound interaction from our previous project.
- **At least one function from the [Processing reference](#) that we didn’t use together in class.** (Useful ones might include “filter(),” “2D primitives” (other shapes), other mouse or keyboard controls, or curves.)

	10	9	8	7	6	5	0
	Excellent	Satisfactory	Needs Work	Unacceptable			
<b>Aesthetics</b> (30 pts)	Student’s computer vision app <b>significantly and artfully alters the image.</b> App shows thoughtful consideration of <b>formal elements like color relationships, line, and shape.</b>	The image is transformed in a notable way. Student pays some attention to either color, line, or shape in their program.	Little to no consideration is given to aesthetics. Transformation is not present, or is rudimentary (flipped, pixelated). Colors and shapes are chosen at random.	Student’s work is unfinished or non-functional.			
<b>Concept</b> (30 pts)	The transformation and interaction is <b>inventive and creative</b> , and goes far <b>beyond those used in in-class examples, or examples included with Processing.</b> Student uses at least <b>one new function</b> from the Processing reference.	Student’s program alters a webcam video, though it may be <b>similar to examples looked at/created in class</b> , or to the examples included with Processing.	The student neither uses any new Processing functions nor has any interaction in their project.	Student’s work is unfinished or non-functional.			
<b>Execution</b> (30 pts)	Student creates a computer vision app which <b>transforms a webcam image, allows user interaction, and includes at least one new function from the Processing reference.</b>	Student creates a computer vision app which transforms a webcam image, and allows user interaction, but doesn’t go beyond code covered in class.	Student creates a computer vision app which incorporates a webcam image, but meets no other requirements.	Student’s work is unfinished or non-functional.			
<b>Crit participation</b> (10 pts)	Student shares at least <b>three constructive comments.</b>	Student shares at least two constructive comments.	Student shares at least one constructive comment.	Student does not participate in crit.			