

Cursor Toolbox

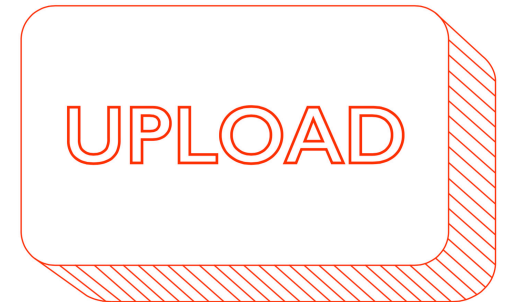
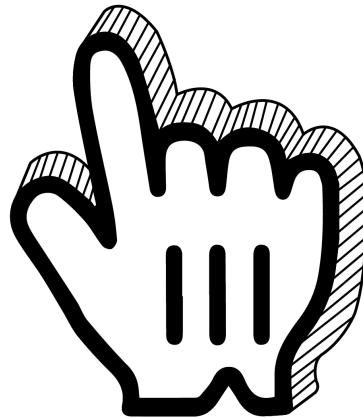
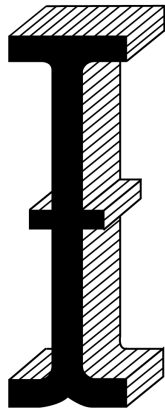
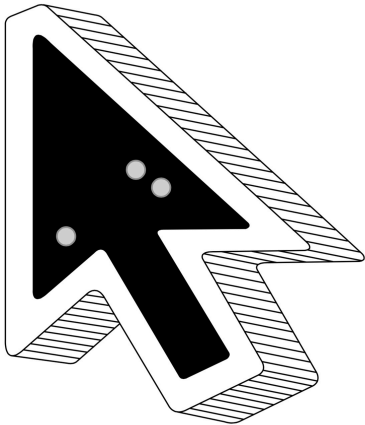
A system that translate the online experience to real life...
and uploads it back online

Yumeng Wang
Core Studio/Lab: Systems, Midterm

Cursor Toolbox



The tool box



Different forms of cursors carry various offline functions



Concept and Forms

Online behaviors as the lens to
look at offline world

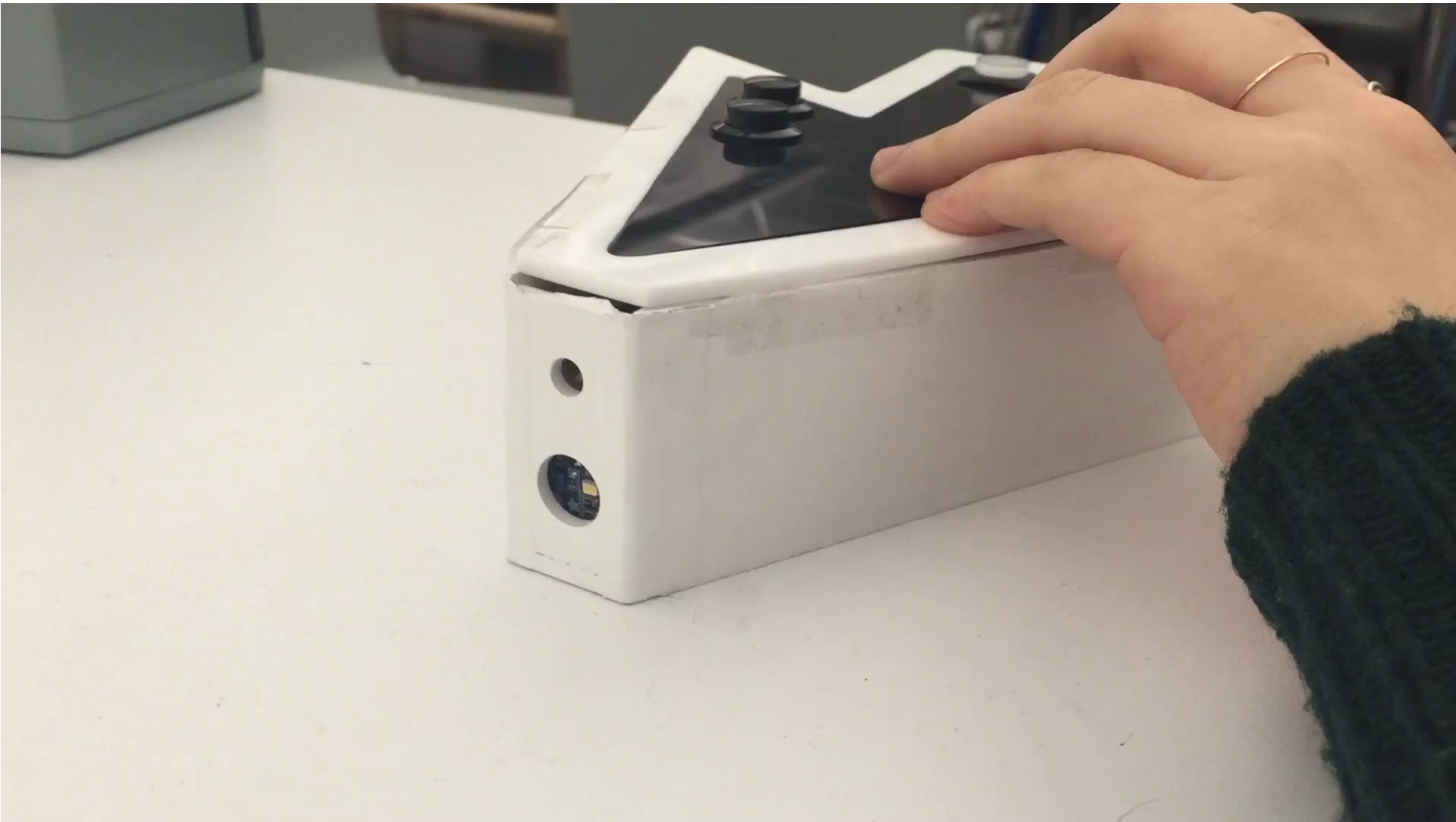
Building a bridge of engaging
interactions online and offline

Developing new communities
and interactions in the built
environment

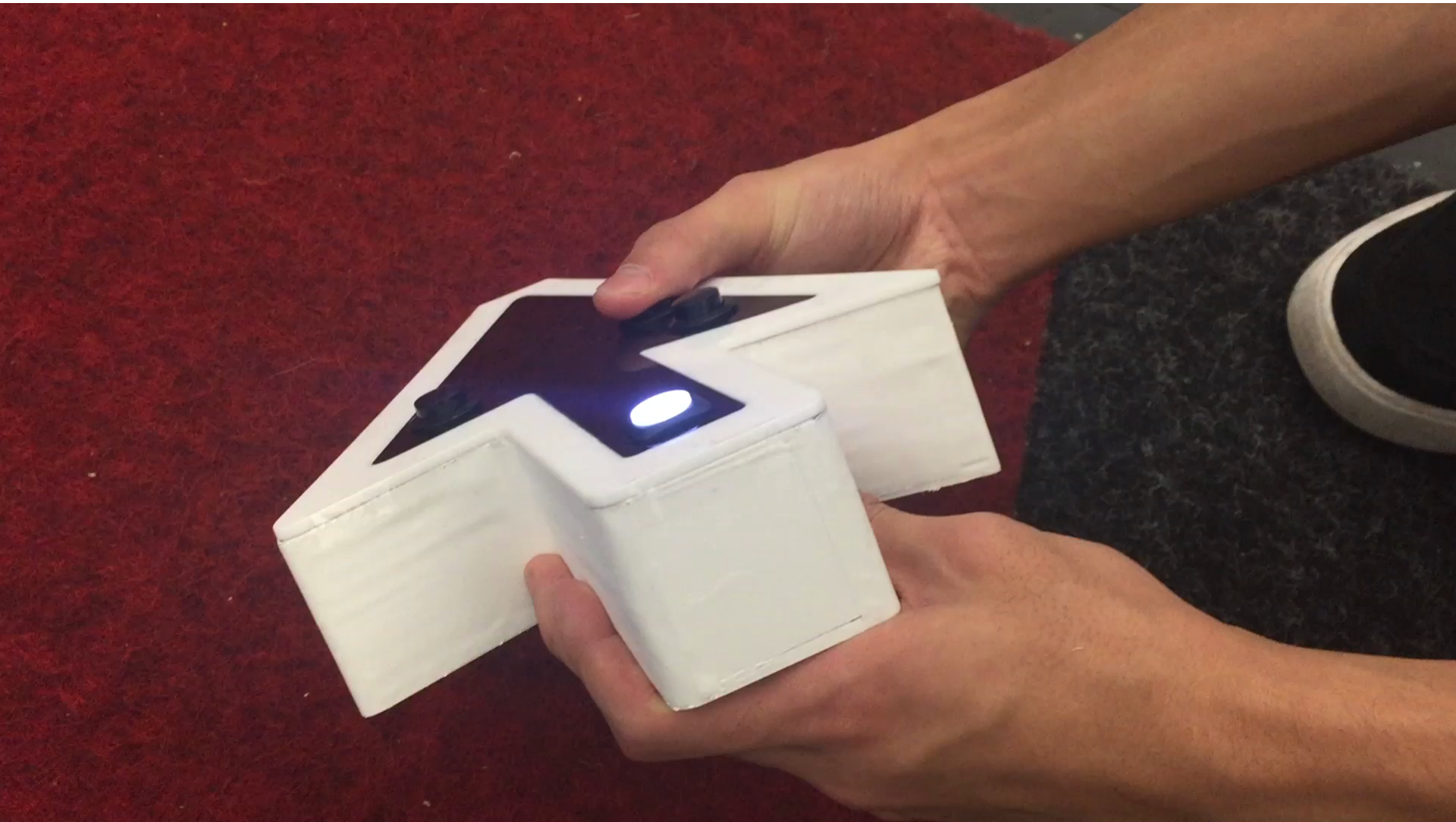
Using identical icons as explicit
reflections on online interactions



Left Button - Laser Pointer



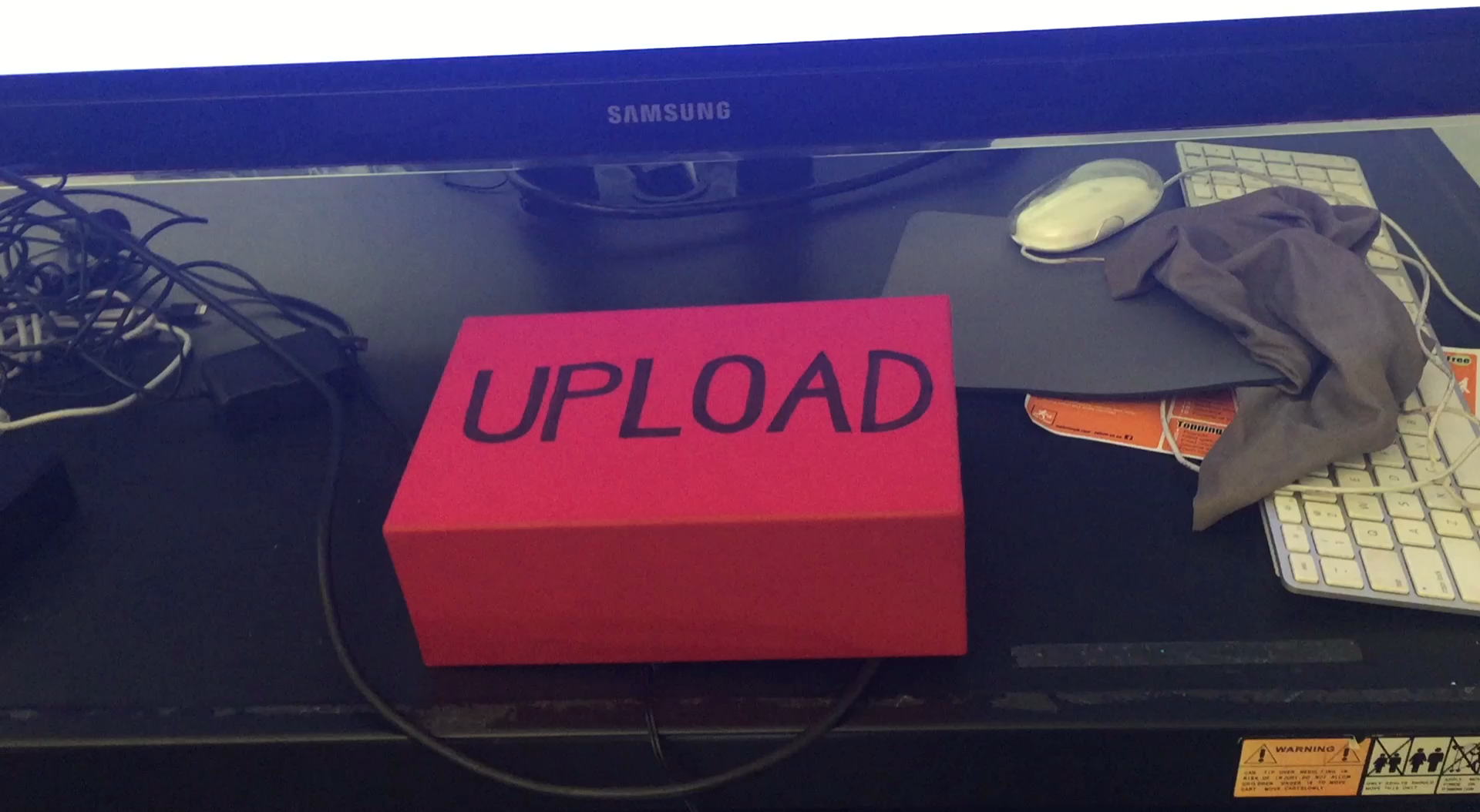
Right Button I - Color Collector



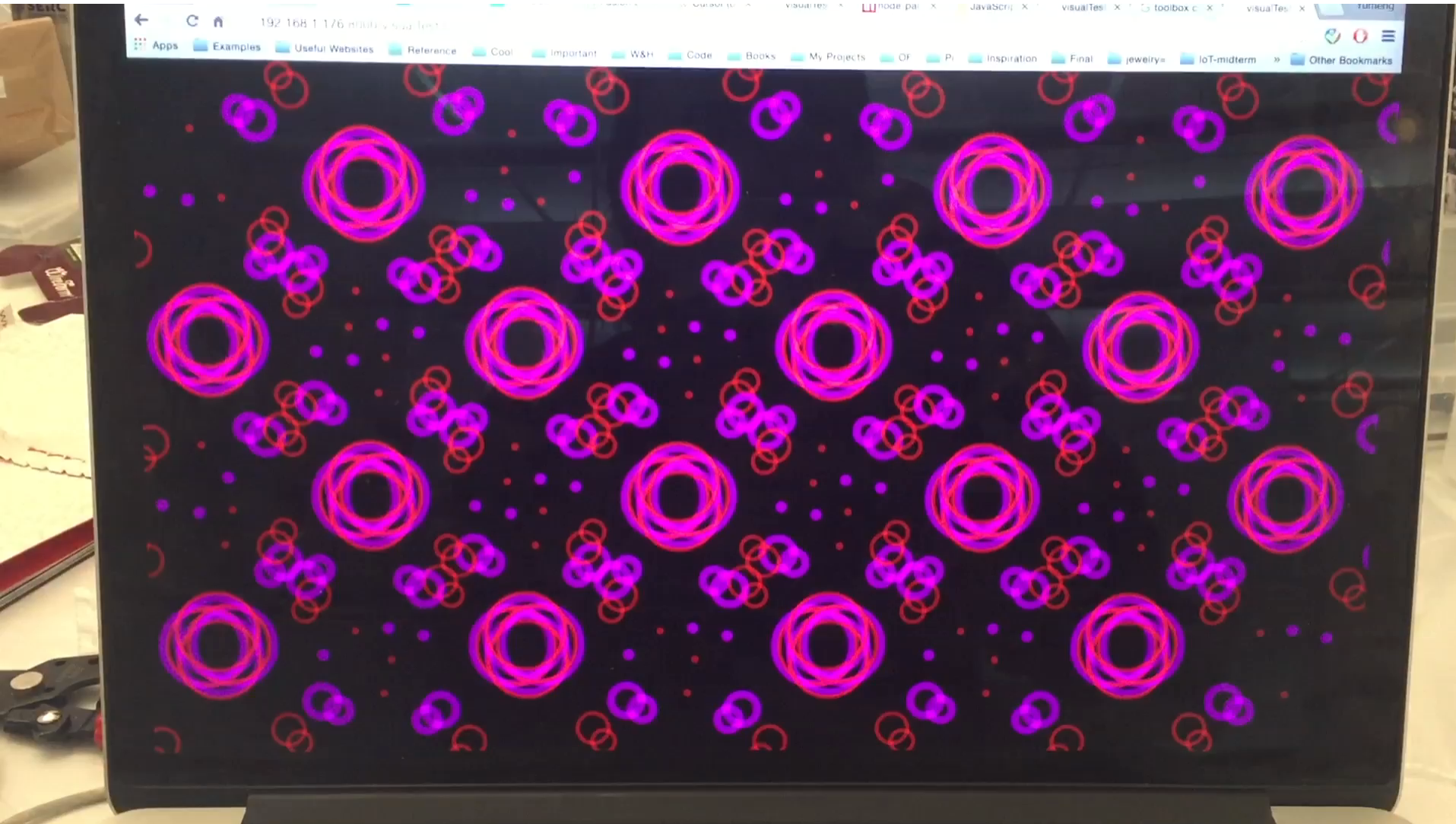
Right Button II - GPS Logger



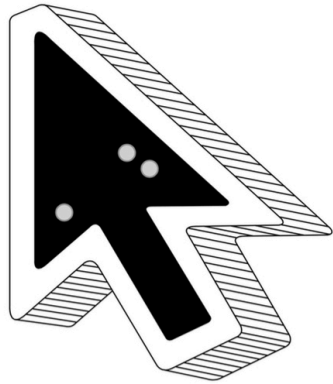
Upload Button



Online Visualization

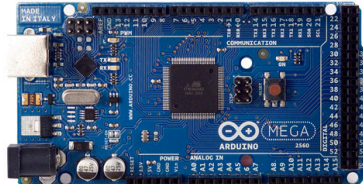


What's Inside - Cursor



Rubber
Acrilic

Body



Arduino Mega



RFduino



Battery 9v

Laser Pointer

Left
Button



Button



Laser diode



Battery 6v

Color Recorder

Right
Button 1



Button



RGB Color Sensor



NeoPixel ring



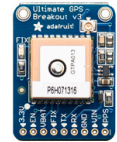
SD card breakout

GPS Recorder

Right
Button 2



Button



GPS breakout

What's Inside - Upload Button

UPLOAD

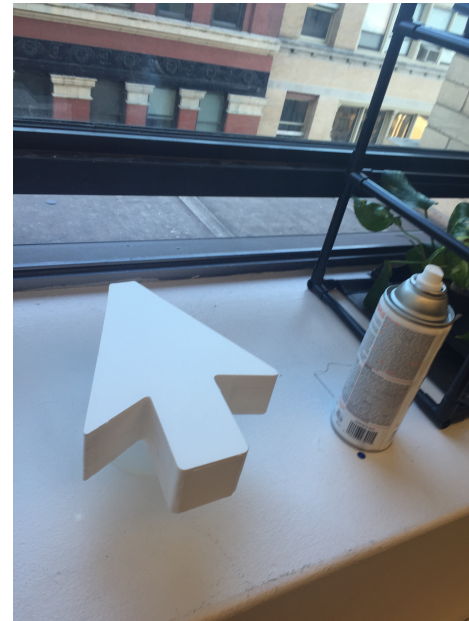
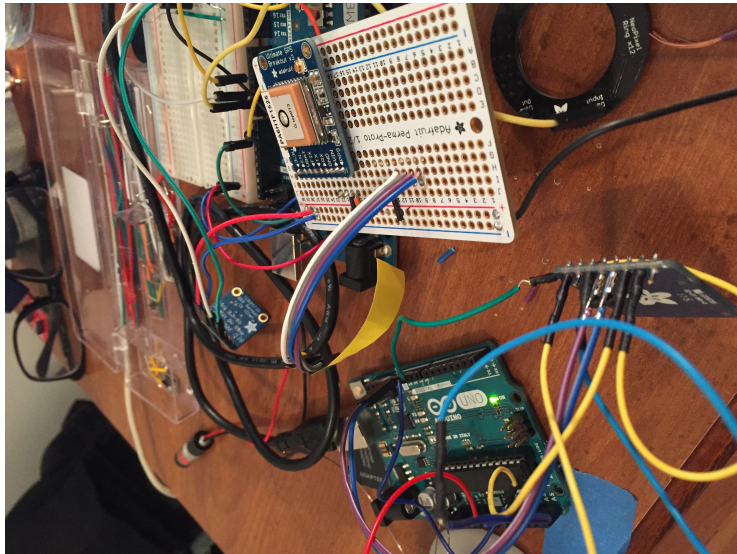
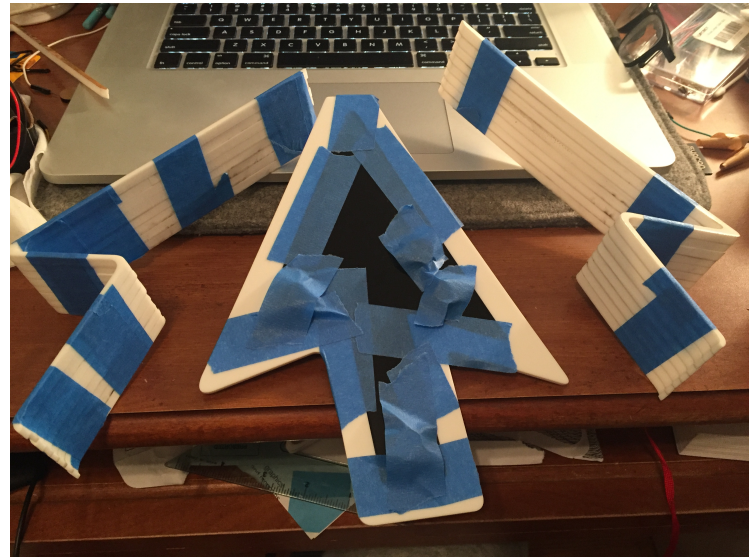
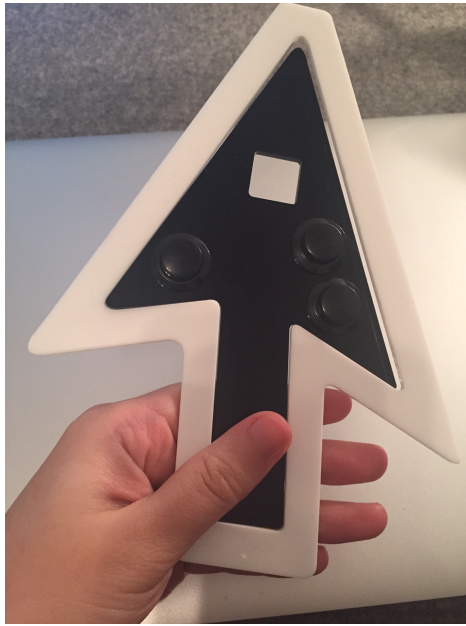


Raspberry Pi (server)



RFduino

Iterations and Process



User Testing and Feedback



Taking Further

- Smaller size
- Ergonomic shape and materials
- Facilitate alternations of online social interactions
- More valuable processing and analysis of collected data
- Different modes of visualizations
- Open source modules for customized collections and usages