Agenda 11/10

- Project 4: Drawing Machines
- Intro to Physical Computing

Project 4: Drawing Machines

Challenging the act/concept of drawing

Picasso Light Paintings (1950s)

Suda the Painting Elephant

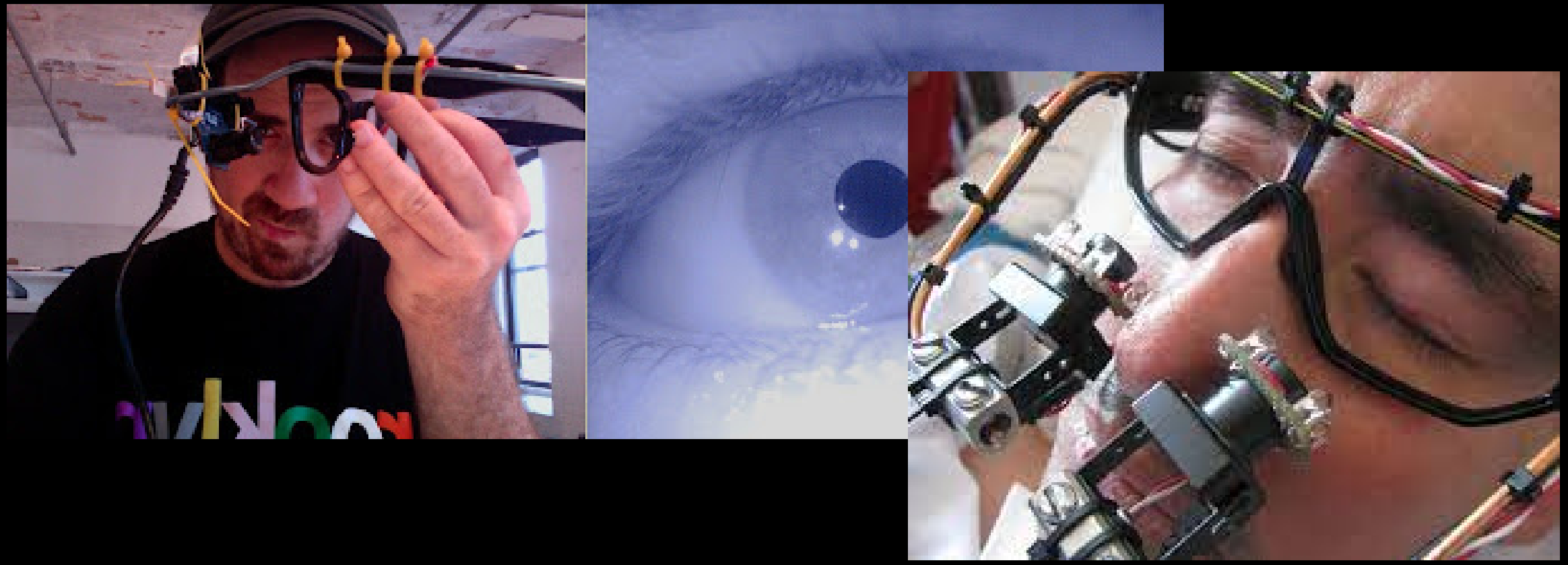
https://www.youtube.com/watch?v=foahTqz7On4

AARON by Harold Cohen

L.A.S.E.R. Tag by Graffiti Research Lab

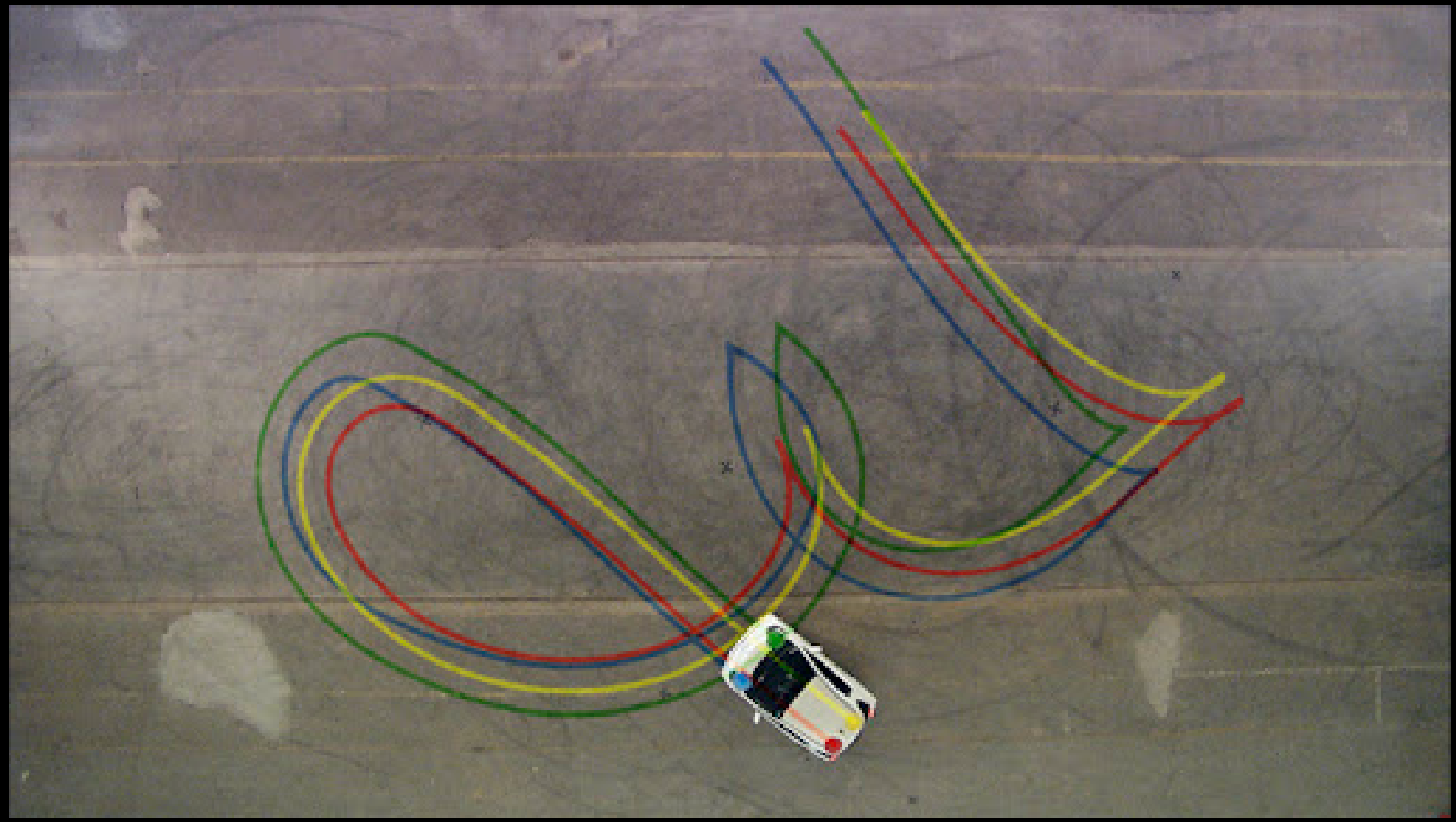
https://www.youtube.com/watch?v=DKbtTPYZEig

EyeWritter by Graffiti Research Lab



https://www.youtube.com/watch?v=84H-xLrLvvk

IQ Font (2010) by Zachary Lieberman

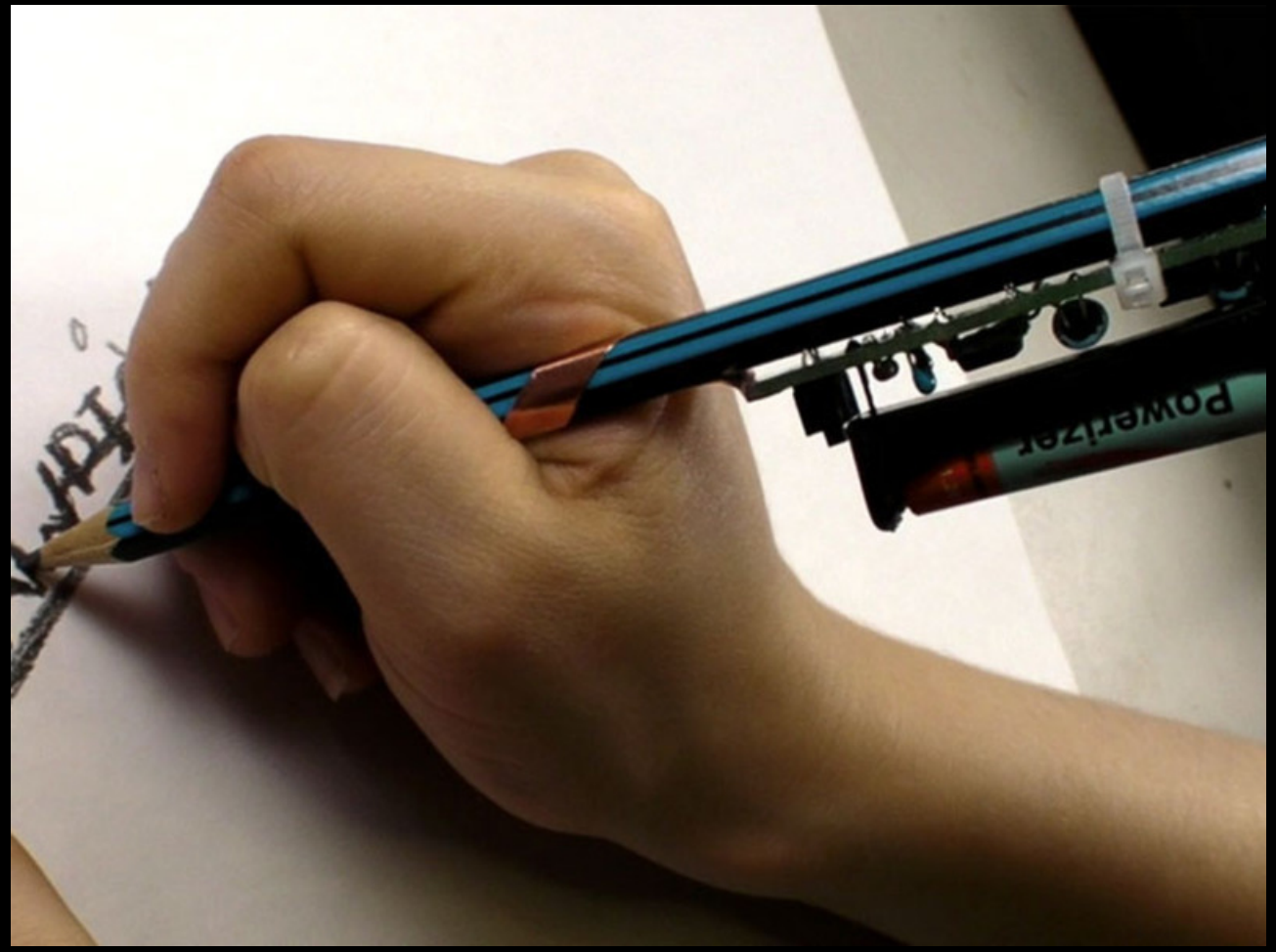


https://vimeo.com/5233789

Lightning Series, by Cassandra C. Jones (2011):

https://www.cassandracjones.com/lightning-drawing-circles

Drawdio (Jay Silver, 2008)



https://www.youtube.com/watch?v=PV_w38ldZaE

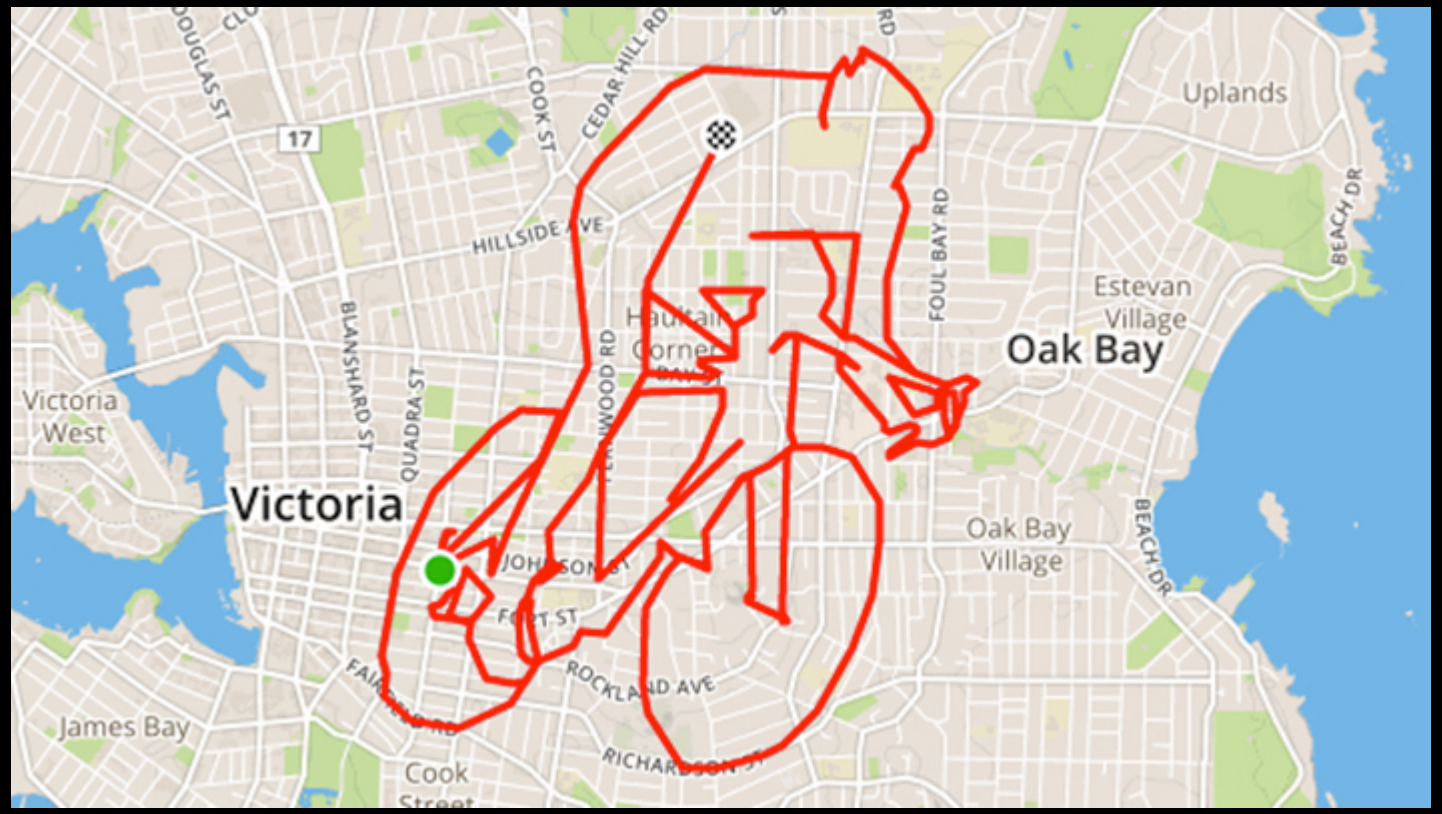
Drawing Operations by Sougwen Chung

https://sougwen.com/

Senseless Drawing Bot (2012) by So Kanno & Takahiro Yamaguchi

https://vimeo.com/30780208

GPS Drawings



http://www.gpsdrawing.com/gallery.html

Graffiti Rainbow Bike (2012) by CROMATICS

https://vimeo.com/47245840

Drone Drawing on Kendall Jenner (2015) by KATSU

https://www.youtube.com/watch?v=We12p6yvNW0

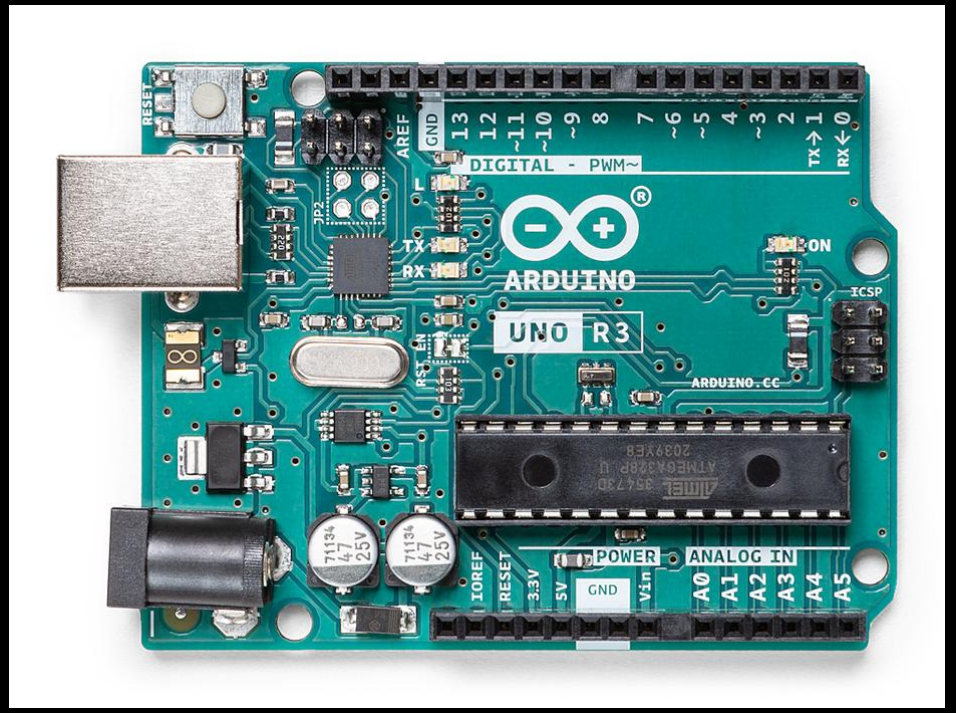
Tree Drawings by Tim Knowles

Metamatics by Jean Tinguely

https://www.youtube.com/watch?v=4-NrTsq6bsg

Physical Computing

Inputs



Outputs

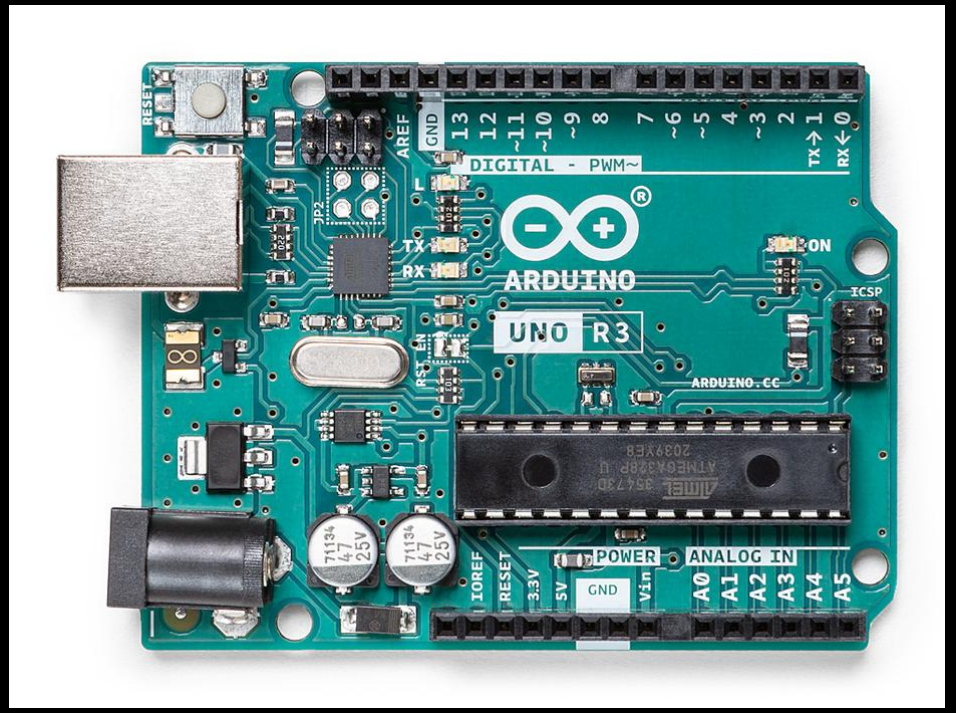
Arduino (Microcontroller)

Physical Computing

Physical Computing

Inputs

(SENSORS)



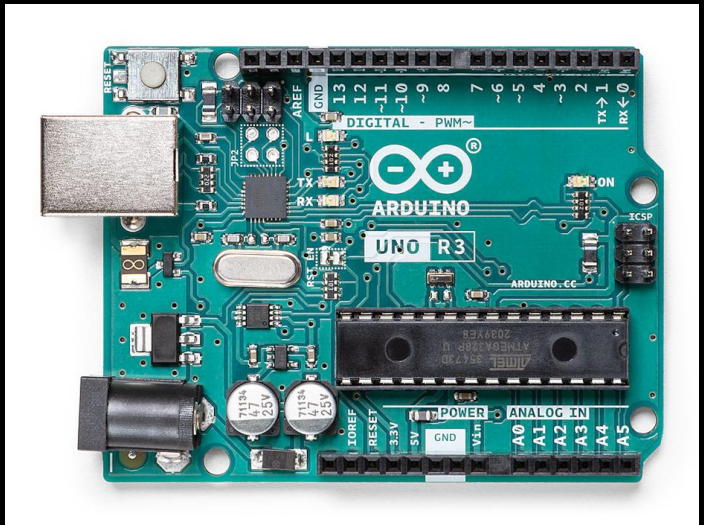
Outputs

(ACTUATORS)

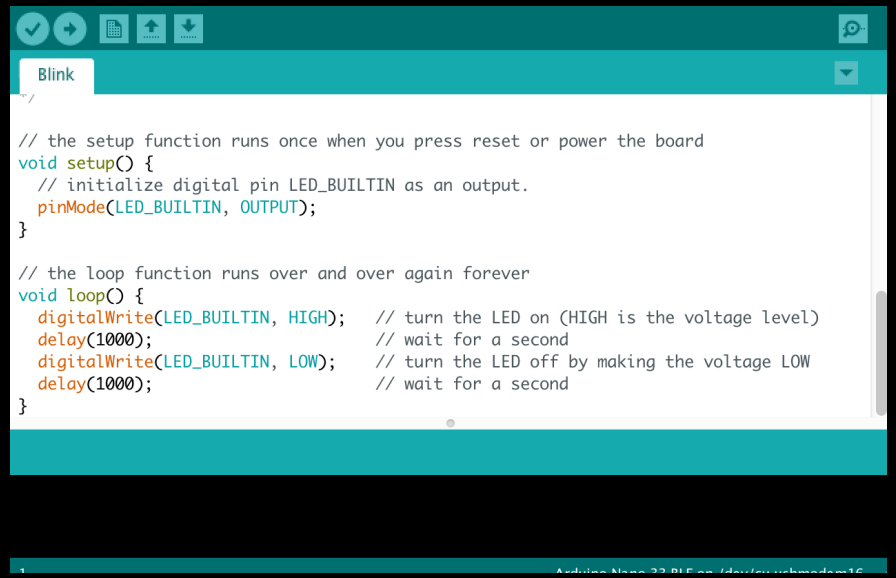
Arduino (Microcontroller)

Arduino

Hardware



Software



Community

https://www.arduino.cc/

Servos (Actuator)

Servo: 180 or 360 type

Cost of parts for Project 4

Arduino - $15.00
180 Servo - $5.00
360 Servo - $7.50

Extra for physical parts and construction