* Digitized chess board
  + Maybe modular add on??
* Attachable livescribe
  + Sensors: shadows, accelerometer, light, more(?), metal pen
* Make a pen that writes in mid air
* Piano light up which keys you should play
* Printing shirts at home
* Class/hw close range meetup
* Help with Scheduling/advising?
* App that makes a timeline of beats according to frequencies (beat analyzer/visualizer)
  + Helps with dance
  + Tracking motion with a device?
  + Opportunities for extra features
* Water drinking tracker

-Arduino Nano

-Force Sensitive Resistor (multiple)

<https://www.amazon.com/Degraw-Load-Cell-HX711-Combo/dp/B075317R45/ref=sr_1_1?keywords=2+kg+load+cell+small&qid=1571642880&s=industrial&sr=1-1>

Dimensions: 8 cm

-Accelerometer (multiple)

-Gyroscope (multiple)

-Protoboard

-Duct tape

-Breadboard

-water bottle

- battery+casing

-lid

<https://www.amazon.com/dp/B07D42HFTQ/ref=emc_b_5_t>

<https://www.amazon.com/NuRich-Hydro-Flask-HydroFlask-Bottle/dp/B079BJJ8ZM/ref=sr_1_11?dchild=1&keywords=hydro+flask+lid+wide+mouth&qid=1571643541&s=sporting-goods&sr=1-11>

* Meme
  + Cake icing
    - With 3D gantry
  + Laser toaster
  + Hype analyzer

Presentation

* What it does
  + Tracks water drank
  + Sends data to a bluetooth app
  + Helps users understand how much water they’re drinking through creating hydration goals and seeing their past history of water consumption.
* How it works
  + Ultrasonic sensor detects distance to water level
  + Sends data to an Arduino Uno, which displays v
* Why important/useful