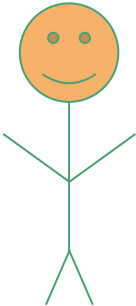


YMCA East Bay

Meet the (Computer) Scientist: Lucine Oganessian

loganessian411@gmail.com

Life Path

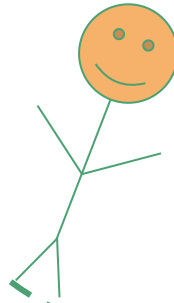
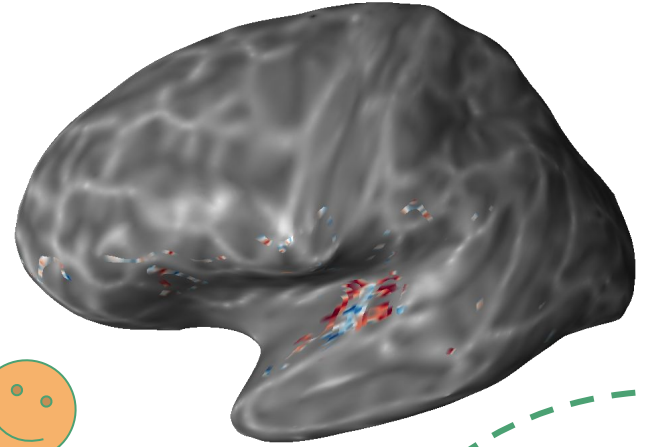


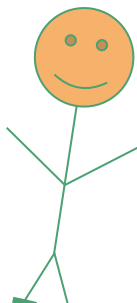
(Roy Falkschmidt, Lawrence Berkeley Nat'l Lab)

Calculus

mathematics
slope
mathematical
Retrieved theorem
infinitesimals method
also
find
offerer
century
also
method
area
offerer







Engineering Residency

Engineering Residency Program

Year-long program

Transition from school to
work

2 months training

Two 4.5 month rotations



Daydream



- Google's VR (Virtual Reality) team
- Provided software engineering support
 - Data analysis
 - Mathematical modeling
 - Top-secret shenanigans

Virtual Reality





Fooling the visual system

Stereoscopic Vision

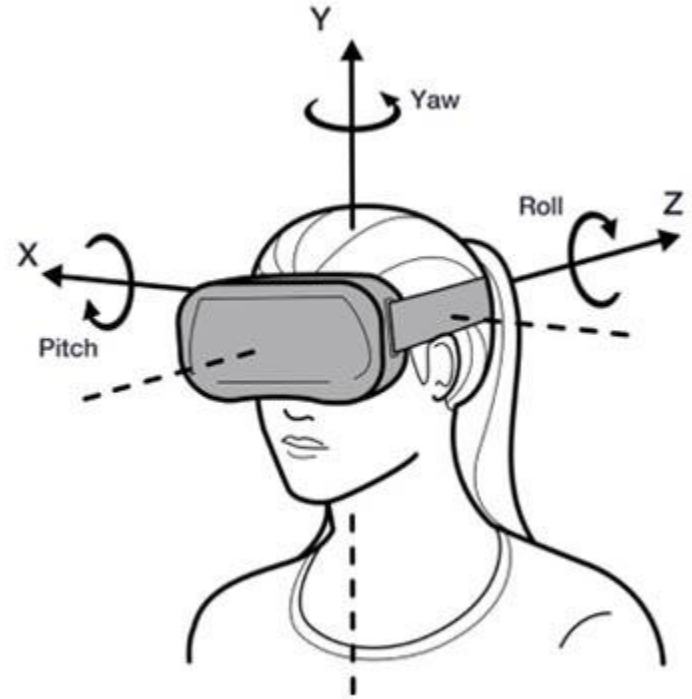
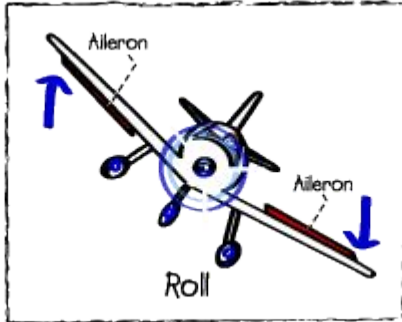
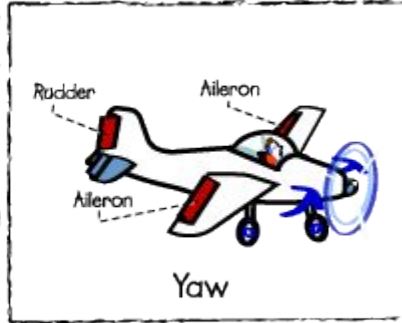
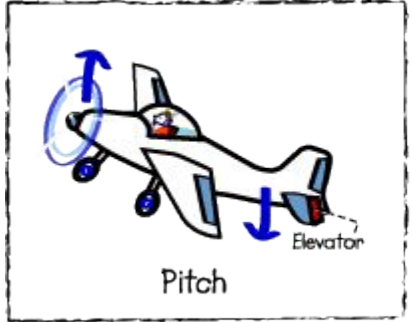
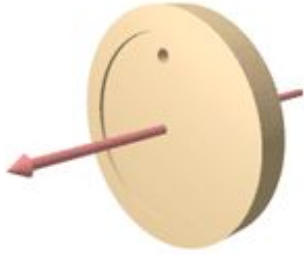




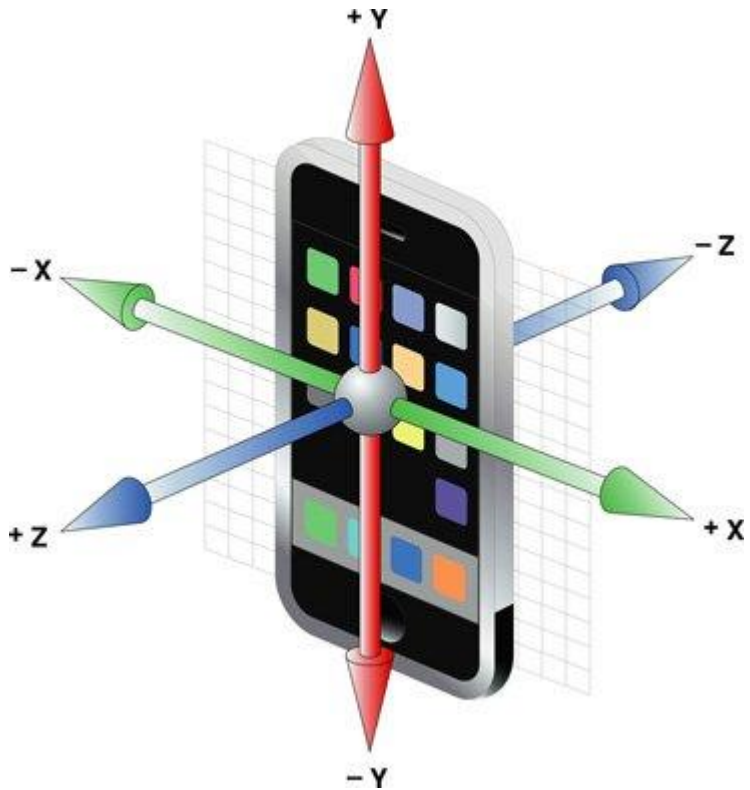
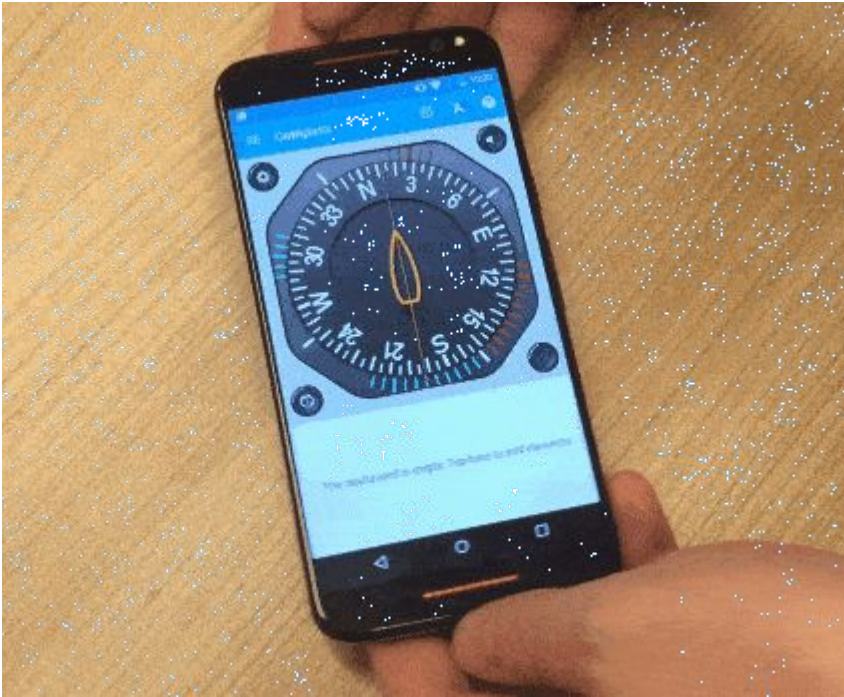
Tracking Motion

Inertial mass unit
(IMU)

Gyroscope - Rotations

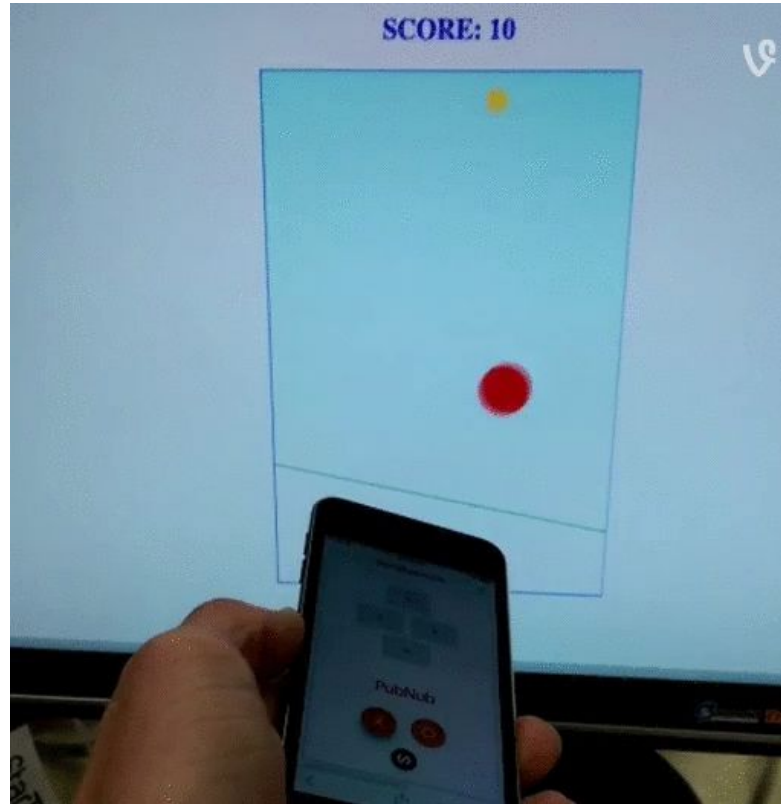


Magnetometer



Accelerometer

Putting it all together (IMU!)



VR Demo!!

SET UP:

Partner up

Use a smartphone (iOS or android)

Install the Cardboard App & go to demos

Make sure the line aligns with the notch

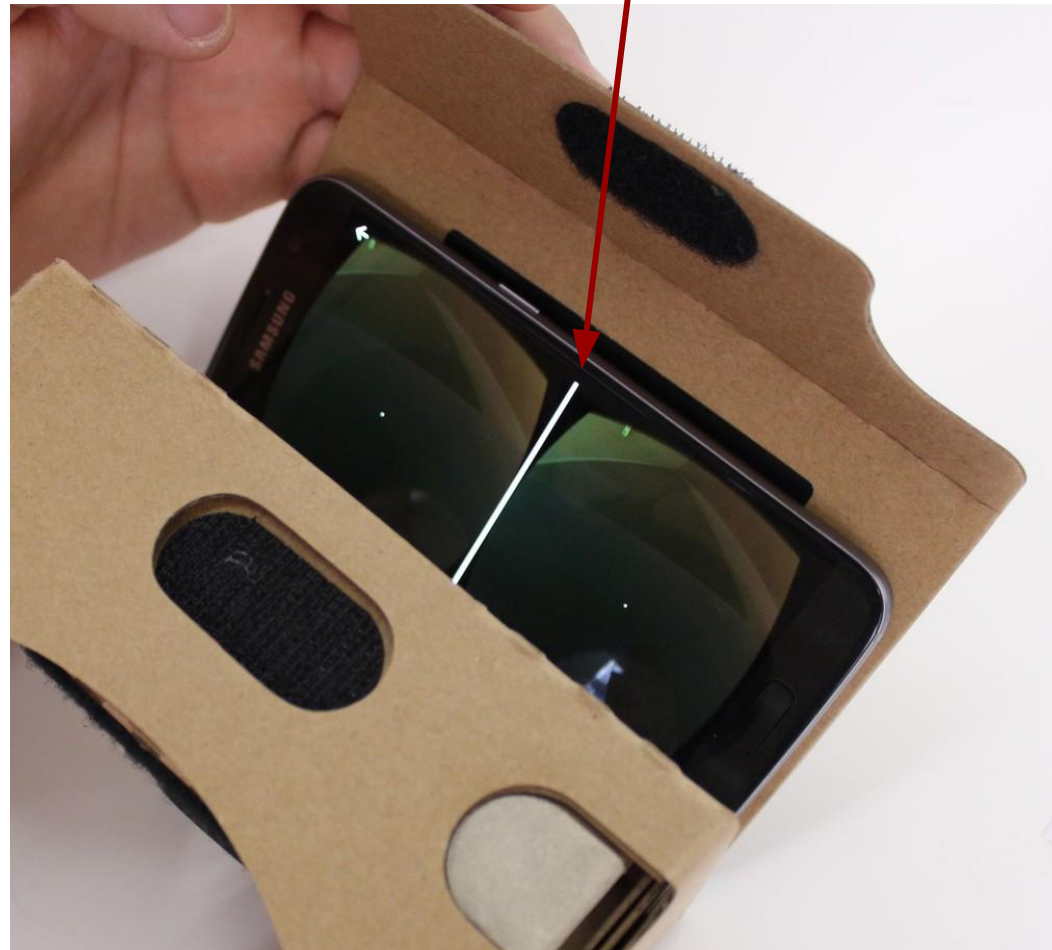


General Suggestions:

- Don't sit while using the device!!
- You might feel nauseous during use, take a break!
:)

If you can't install the StreetView app visit:
<https://vr.chromeexperiments.com/>

Regroup!!



Deconstructing
the cardboard