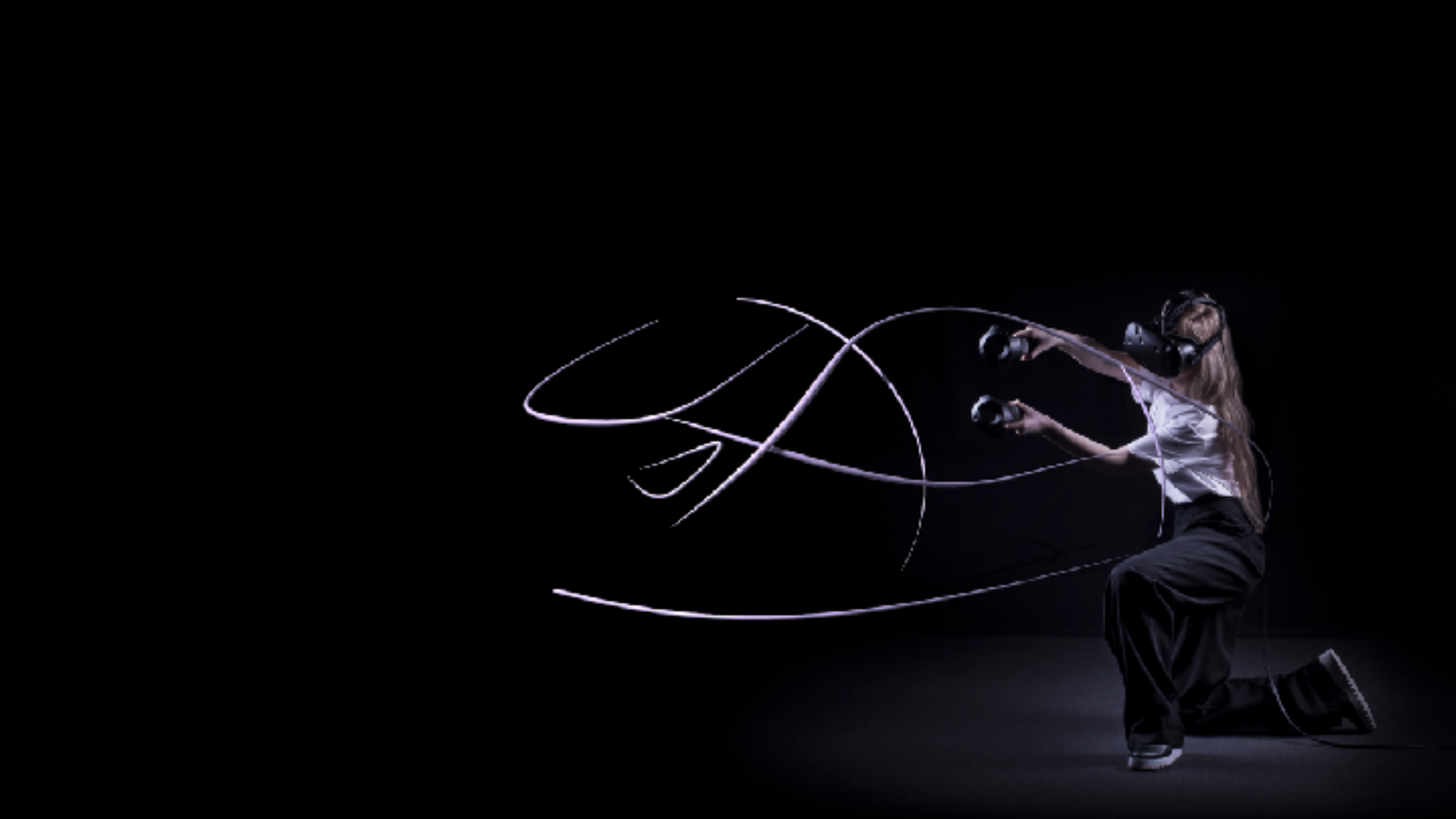
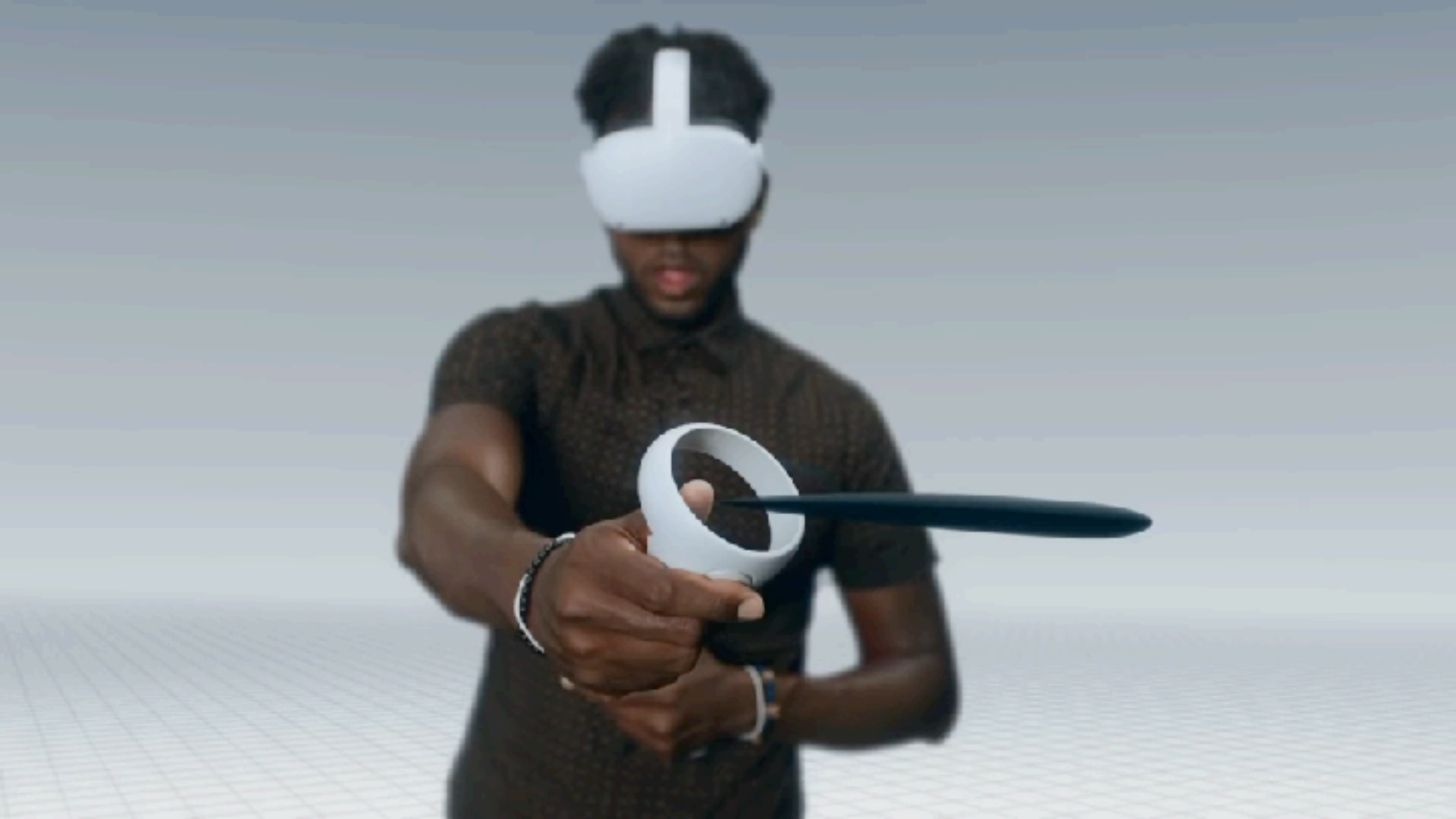
gravity sketch

Rethinking Digital 3D Design

Oluwaseyi (Shay) Sosanya

@gravitysketch





3D

We think in 3D

2D

Represent our ideas with sketches

2D

Make digital 3D models through screens

3D

Produce 3D prototypes

months

3D

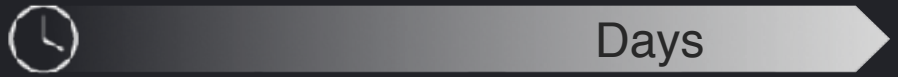
We think in 3D

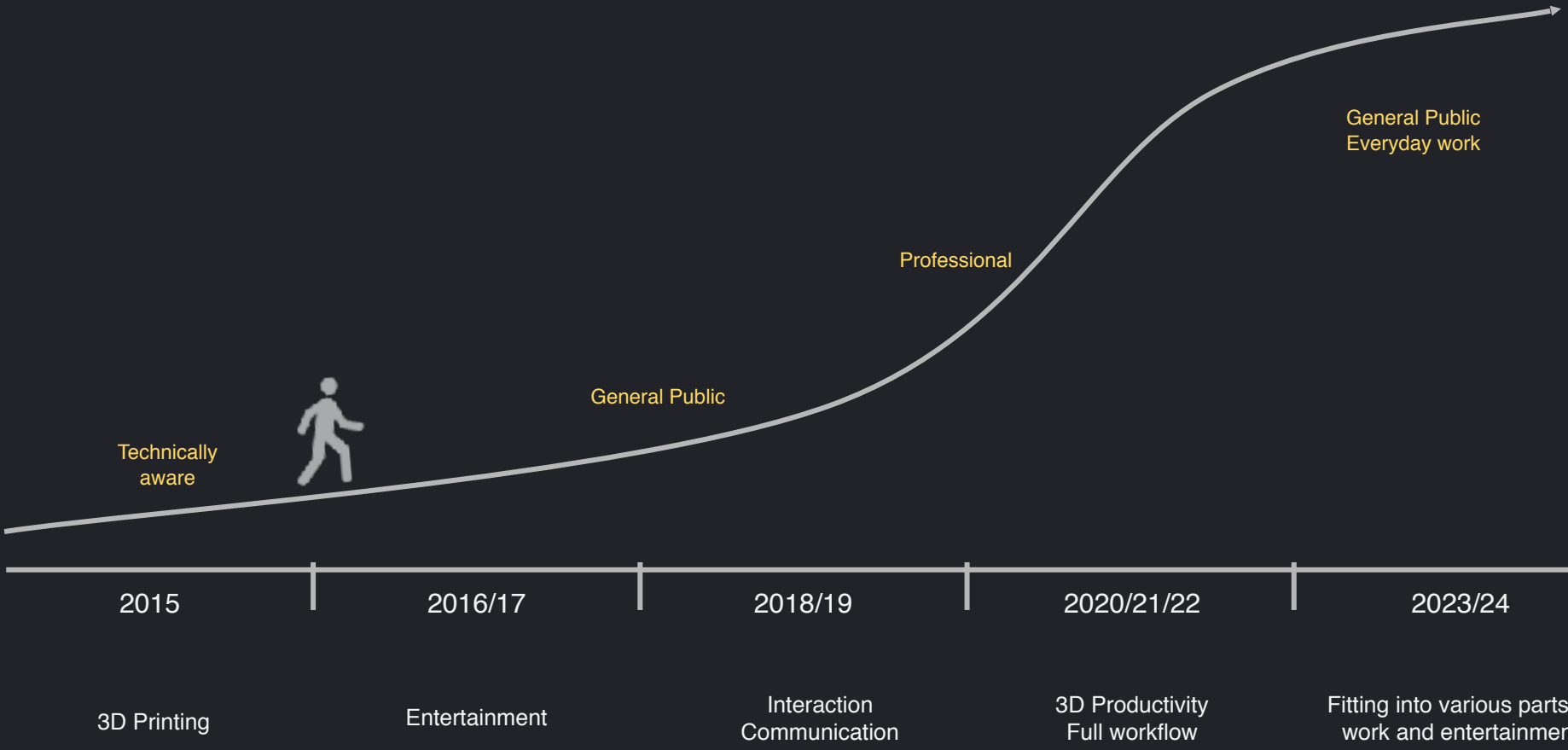
3D

Create a digital 3D
Model at scale

3D

Produce a 3D
prototype




Technically aware
General Public
Professional
General Public
Everyday work
2015
2016/17
2018/19
2020/21/22
2023/24
3D Printing
Entertainment
Interaction
Communication
3D Productivity
Full workflow
Fitting into various parts of work and entertainment

QUEST 2

Shipping on October 13

Starting at $299

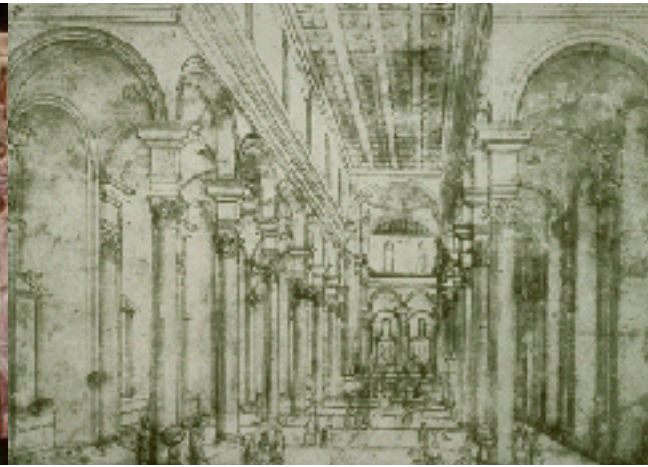
EVERYTHING STARTS WITH A SKETCH

15,000 BC

Lascaux Cave Paintings, Montignac, France

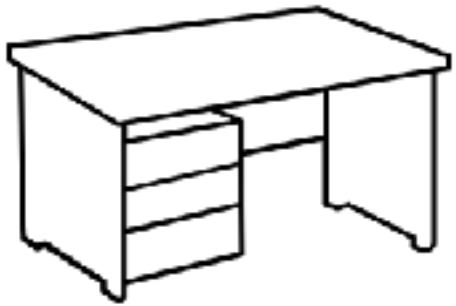
3000 BC

Egyptian etched hieroglyphics

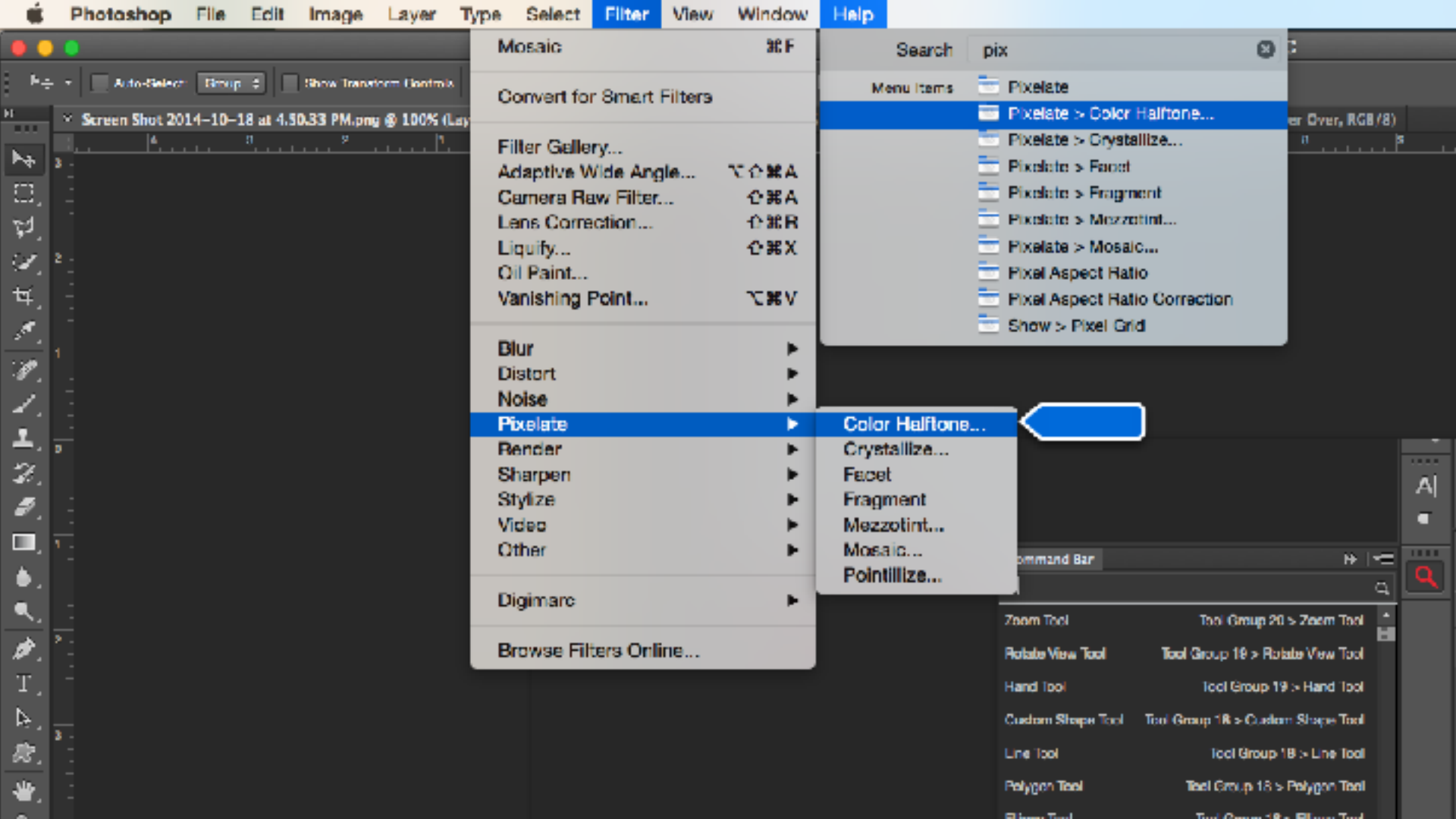


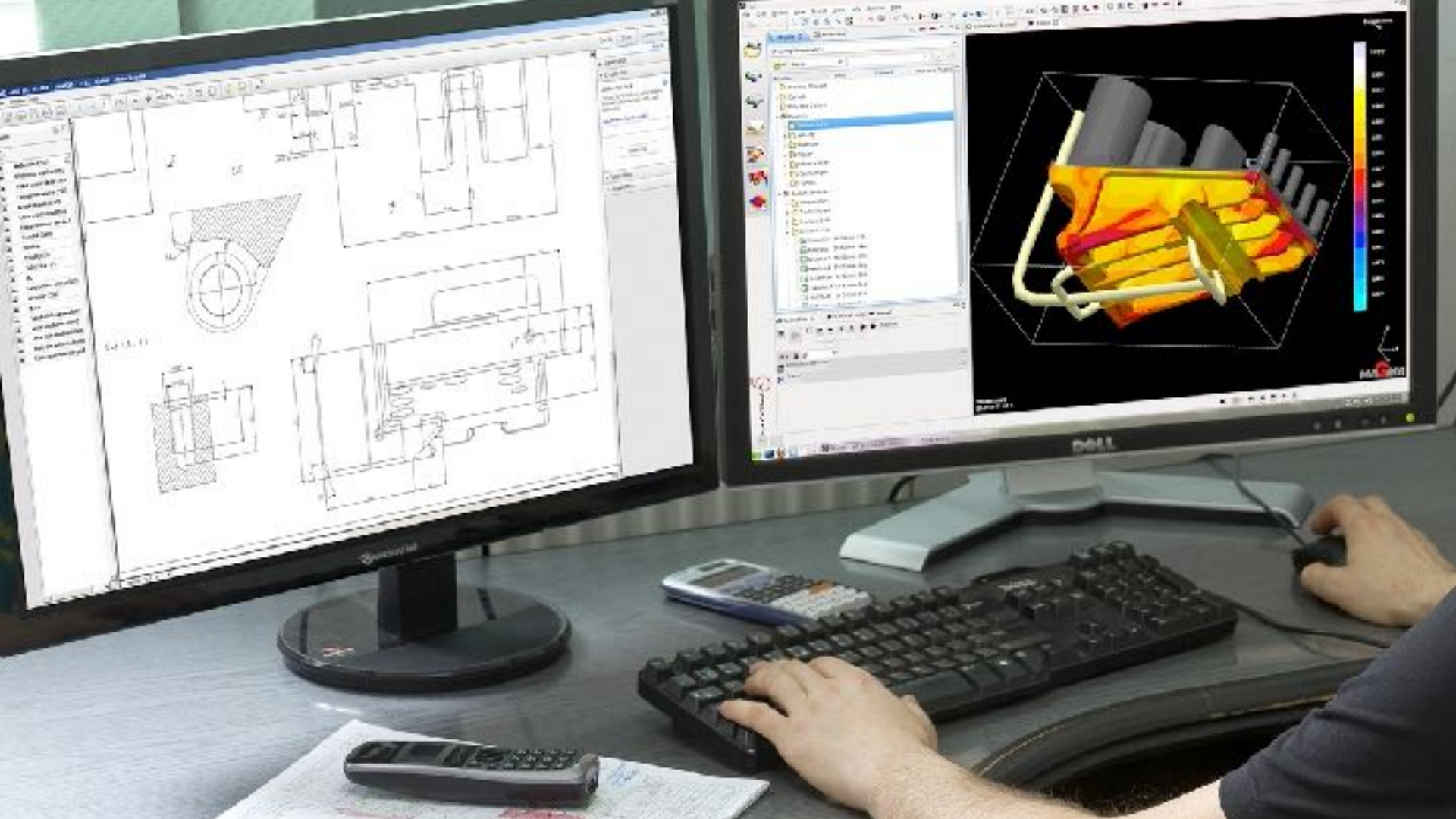
1434-83

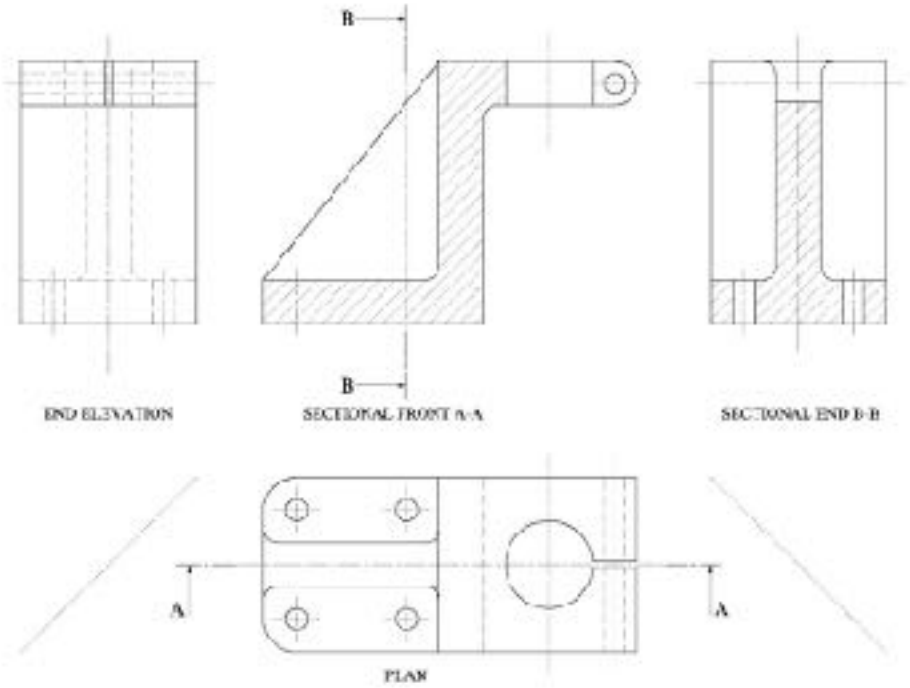
Fillipo Brunelleschi's first use of perspective, elevation of *Santo Spirito*, Florence



Rubber
40 50 60 70 80 90 100 110 120 130 140 150
Cork
mill away
slope and
back groove.
Pen pot
Insert for
Succulent pot.
Cork


Photoshop File Edit Image Layer Type Select Filter View Window Help
Mosaic ⌘F
Convert for Smart Filters
Filter Gallery...
Adaptive Wide Angle... ⌥⇧⌘A
Camera Raw Filter... ⇧⌘A
Lens Correction... ⇧⌘R
Liquify... ⇧⌘X
Oil Paint...
Vanishing Point... ⌥⌘V
Blur
Distort
Noise
Pixelate
Render
Sharpen
Stylize
Video
Other
Digimarc
Browse Filters Online...
Color Halftone...
Crystallize...
Facet
Fragment
Mezzotint...
Mosaic...
Pointillize...
Search pix
Menu Items
Pixelate
Pixelate > Color Halftone...
Pixelate > Crystallize...
Pixelate > Facet
Pixelate > Fragment
Pixelate > Mezzotint...
Pixelate > Mosaic...
Pixel Aspect Ratio
Pixel Aspect Ratio Correction
Show > Pixel Grid





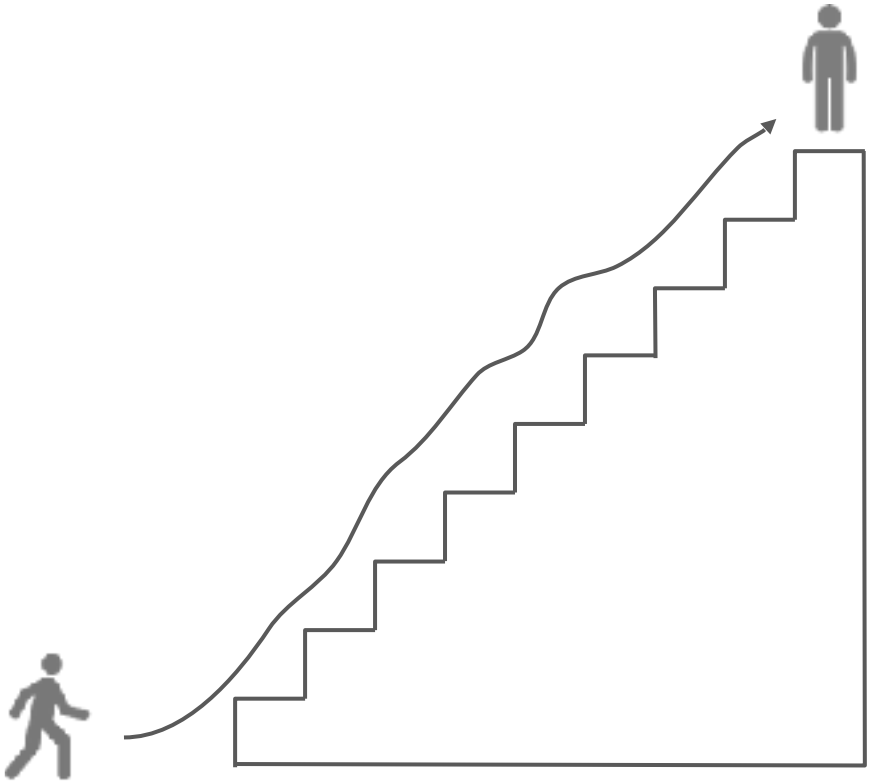
END ELEVATION

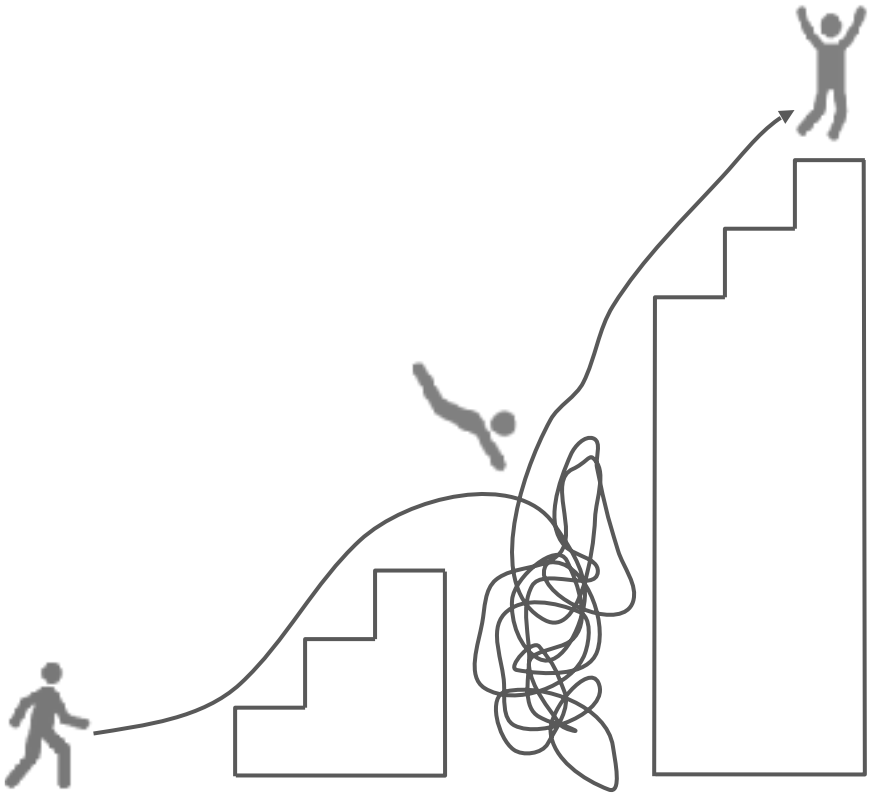
SECTIONAL FRONT A-A

SECTIONAL END B-B

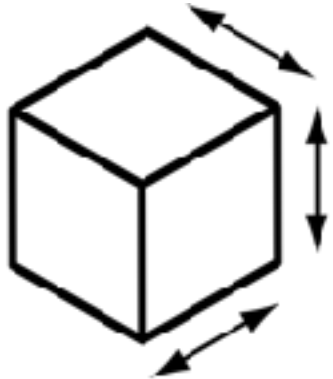
PLAN

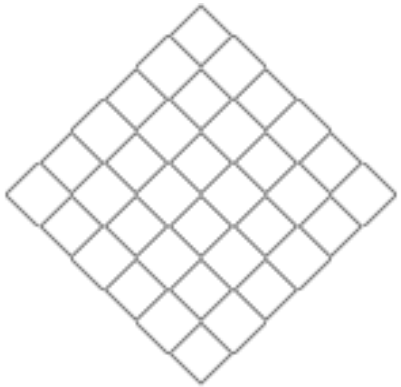
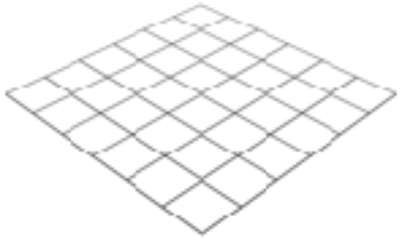
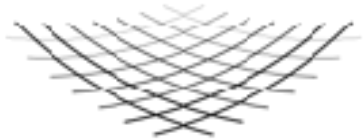
SCALE 1 :

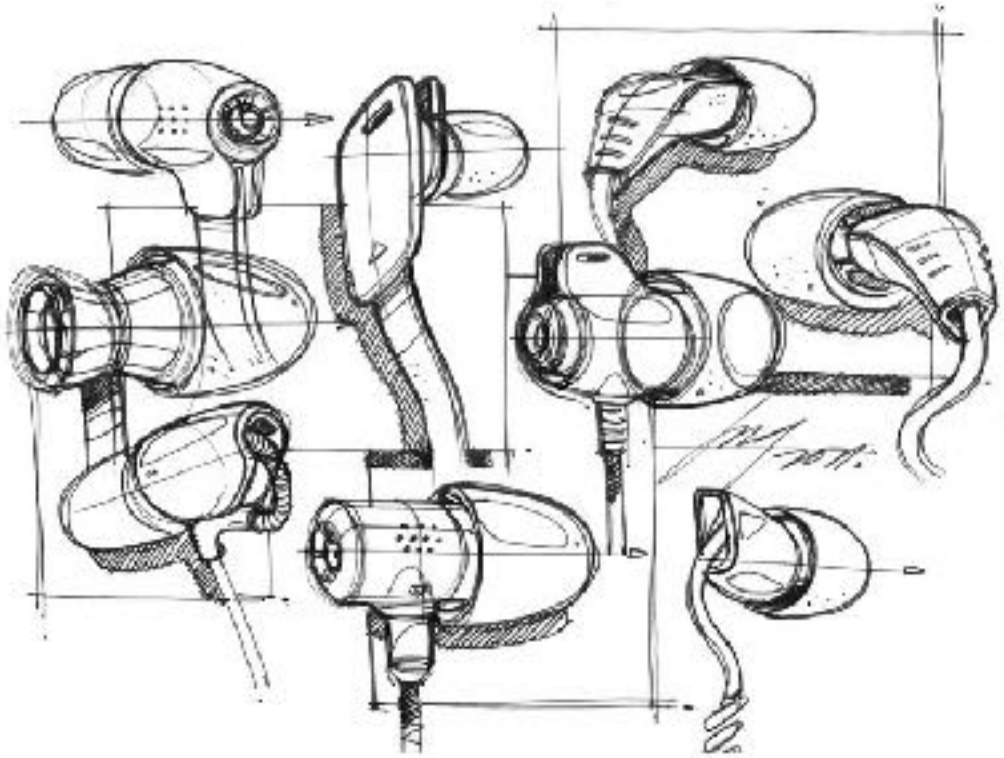


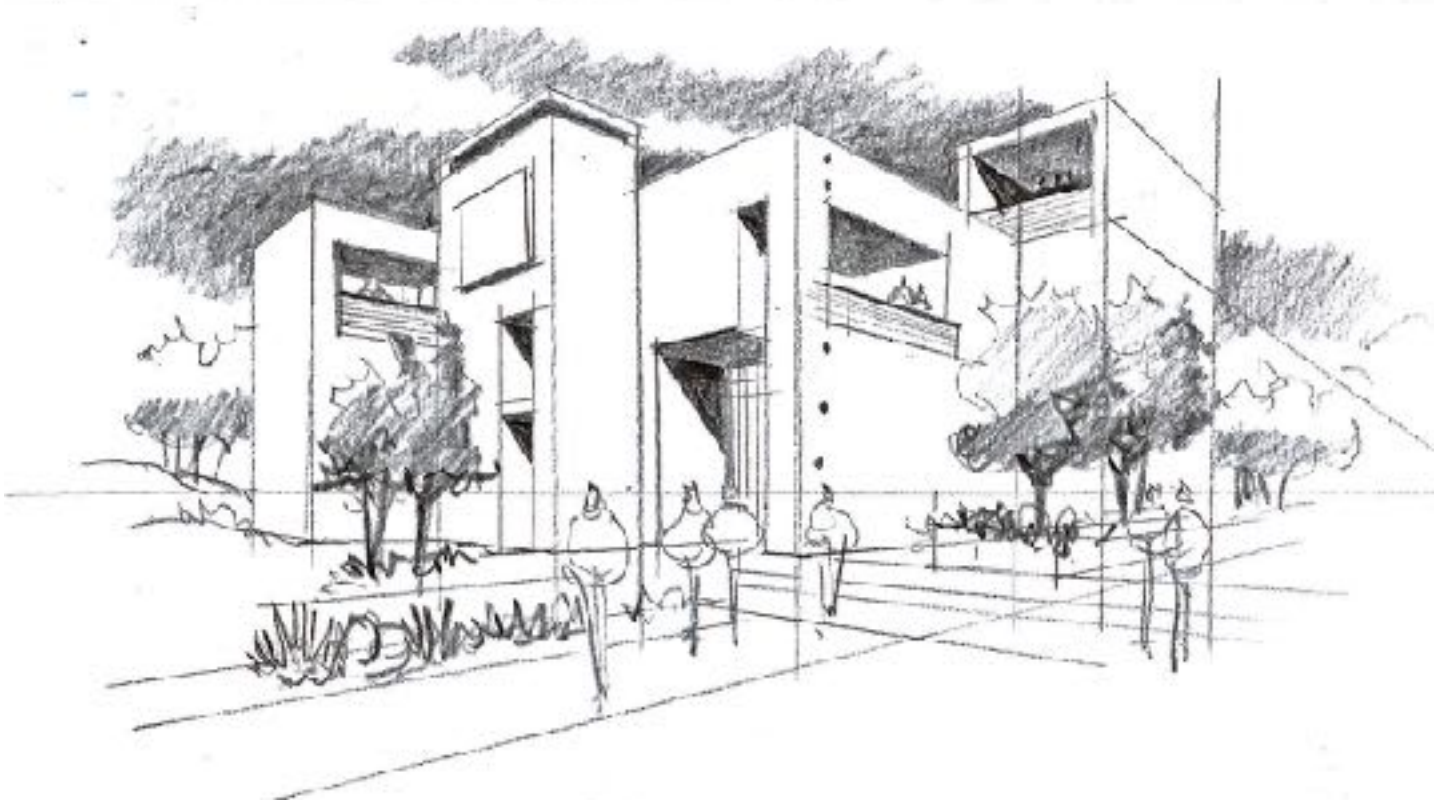


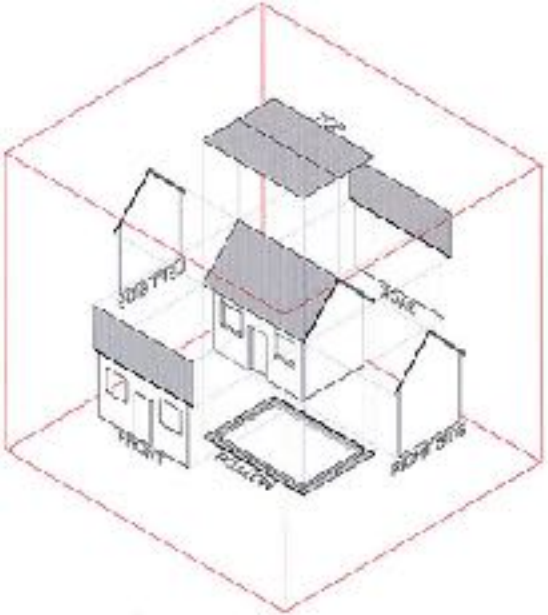
creation



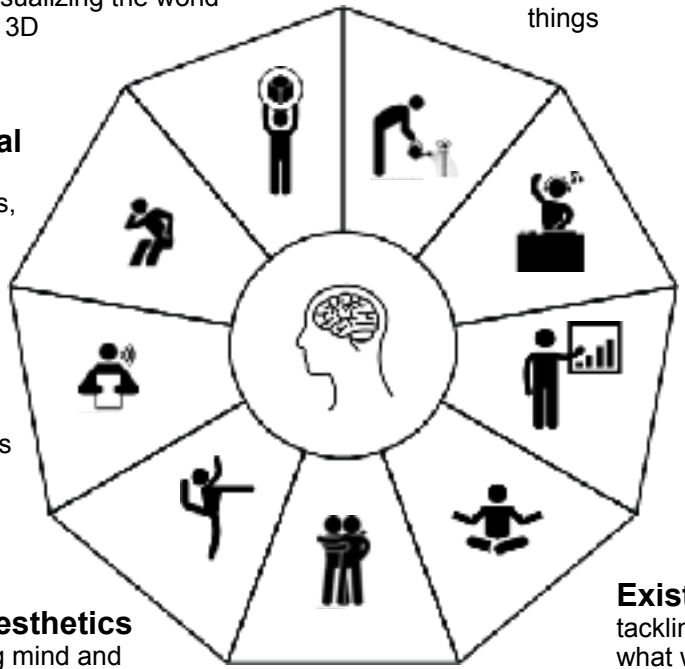










Theory of Multiple Intelligence
By Howard Gardner



Spatial
Visualizing the world in 3D

Naturalistic
Understanding living things

Intra-personal
understanding yourself, feelings, wants

Musical
Discerning sounds, pitch, tone, rhythm

Linguistic
finding the right words to express yourself.

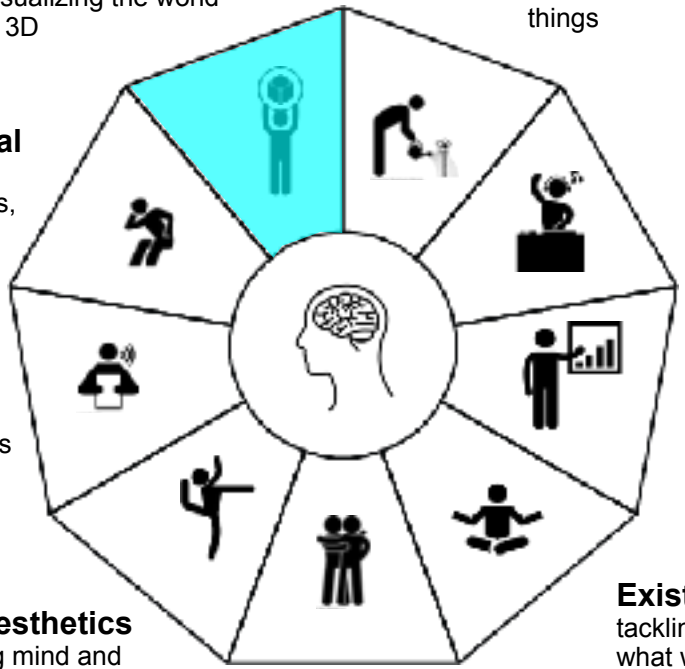
Logical
Quantifying things, hypothesizing and proving

Body Kinesthetics
Coordinating mind and body

Existential
tackling questions of what we live and die

Interpersonal
Sensing others feelings

Theory of Multiple Intelligence
By Howard Gardner



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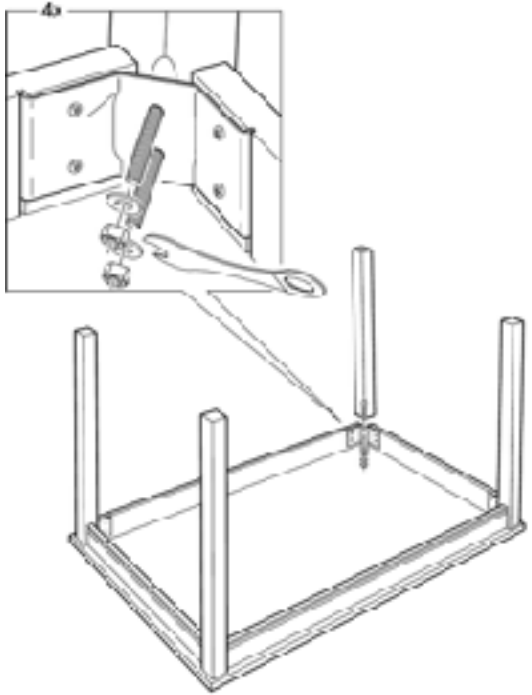
STEGOSAURUS



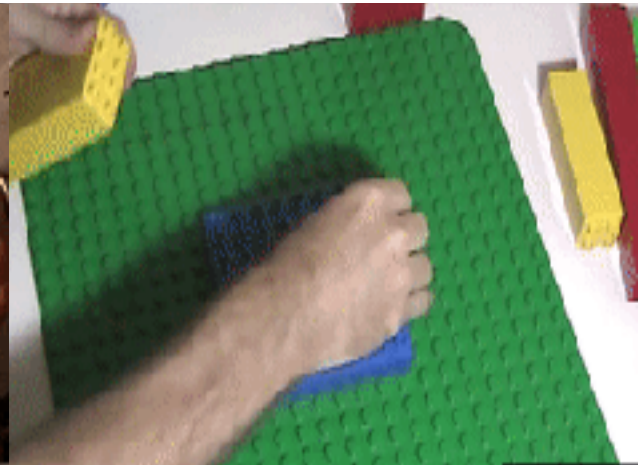
IKEA
Design and Quality
IKEA of Sweden

HAWAII
Hawaiian Flowers

NETFLIX
Hawaiian Flowers

immediate

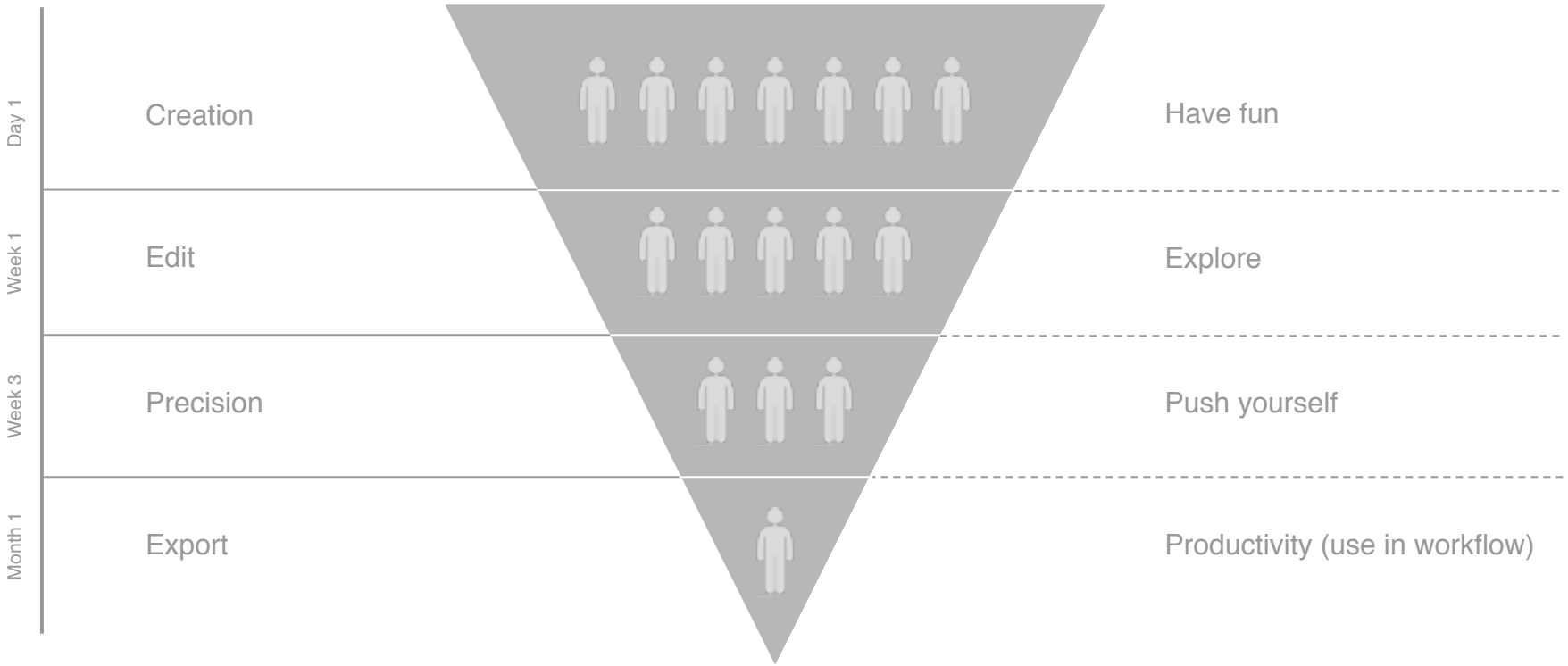
physical



simple rules

TAKE CARE OF ME

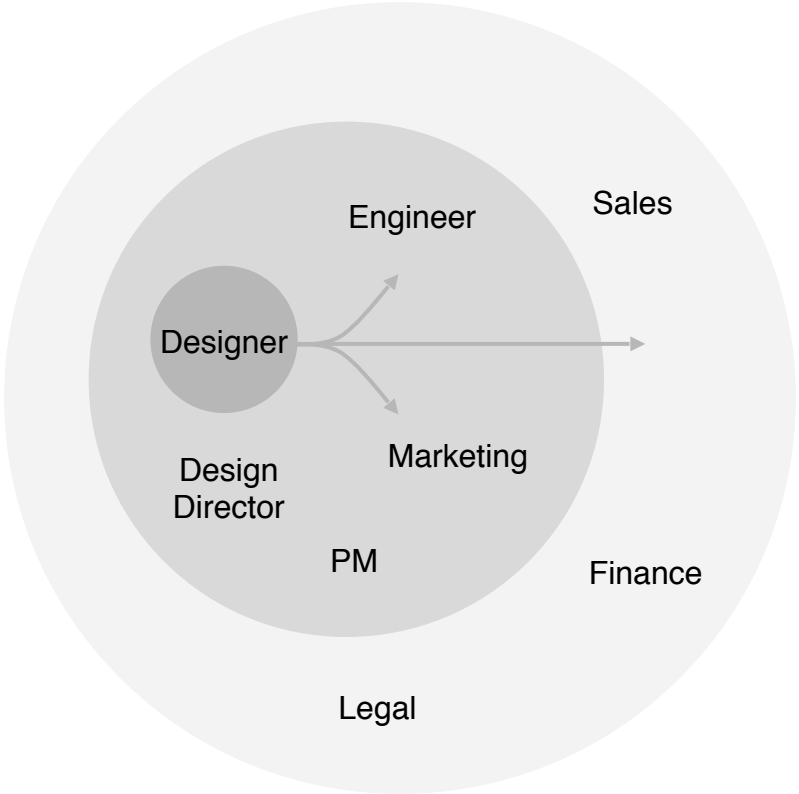
UX Funnel

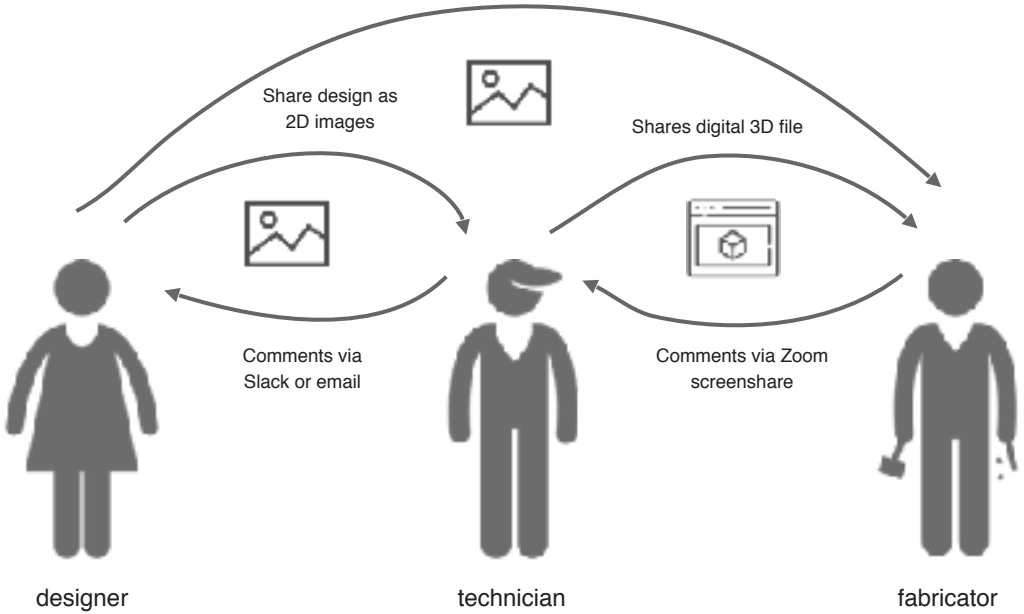

Day 1
Week 1
Week 3
Month 1
Creation
Edit
Precision
Export
Have fun
Explore
Push yourself
Productivity (use in workflow)

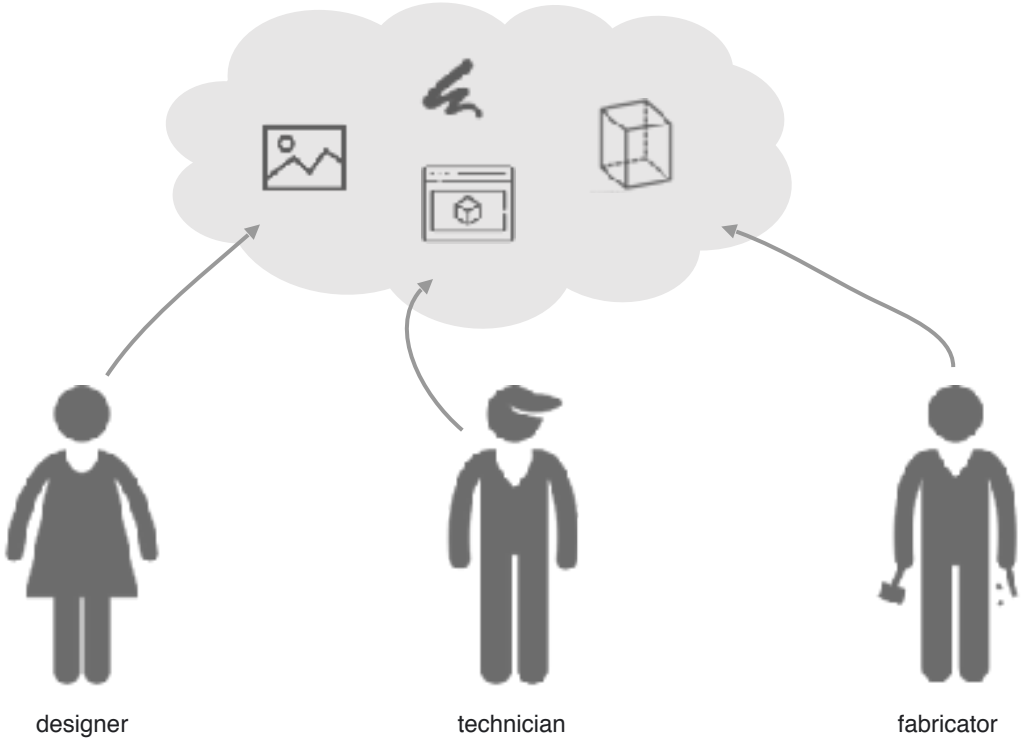
10 BANANAS

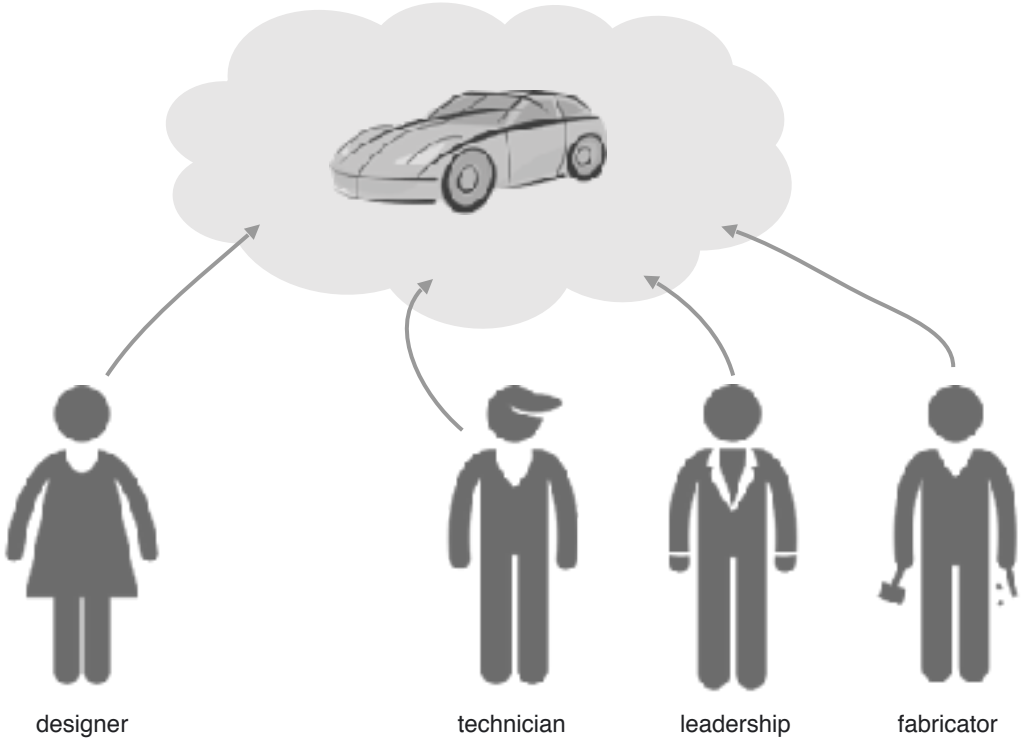
gravity
sketch

gravity sketch
@fedriosdesign

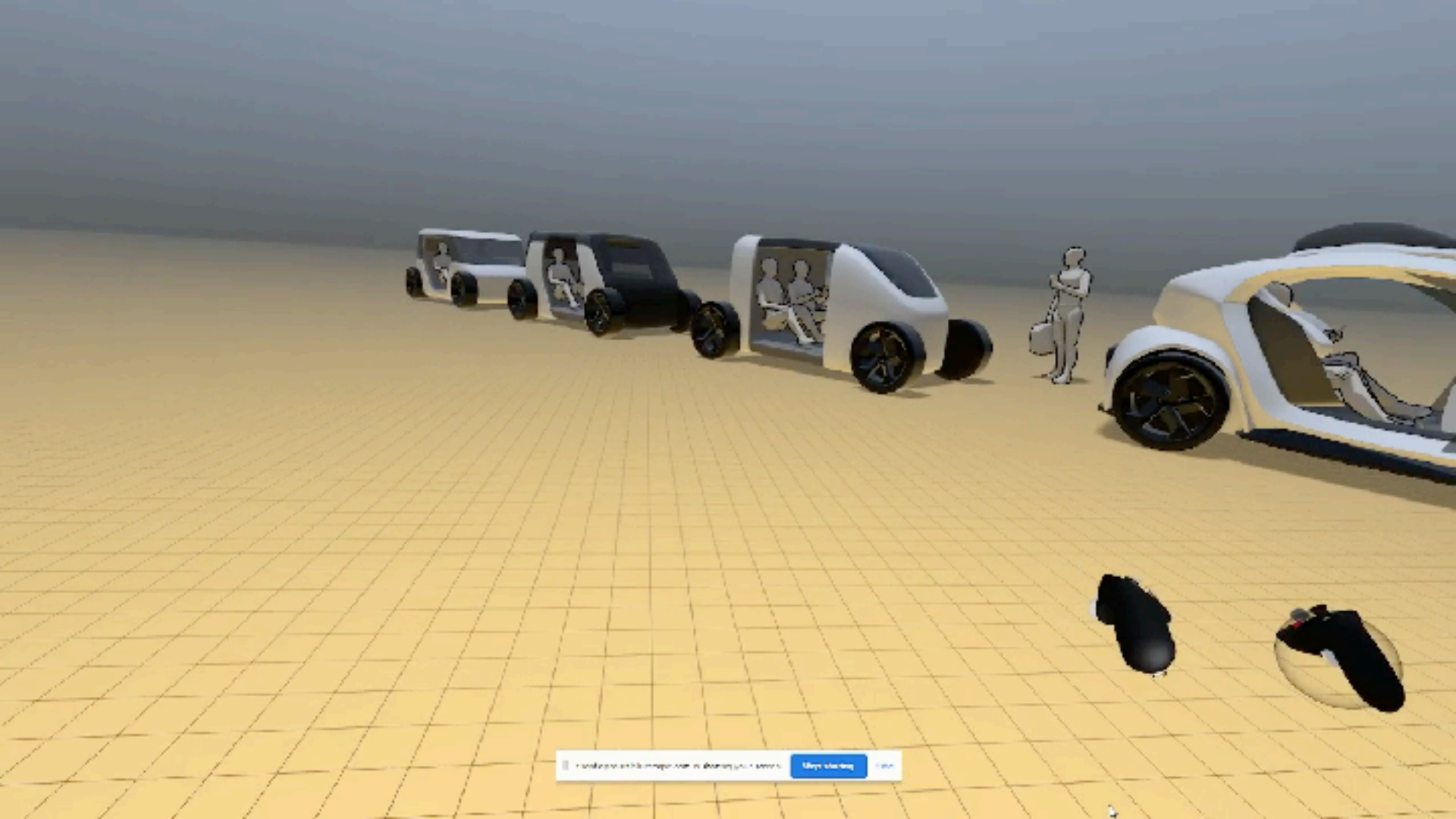

Engineer
Sales
Designer
Marketing
Design
Director
PM
Finance
Legal


Share design as
2D images
Shares digital 3D file
Comments via
Slack or email
Comments via Zoom
screenshare
designer
technician
fabricator


designer
technician
fabricator


designer
technician
leadership
fabricator

Designer
Manager



SVOTT

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@finnrushtaylor.id

Thank You

@gravitysketch