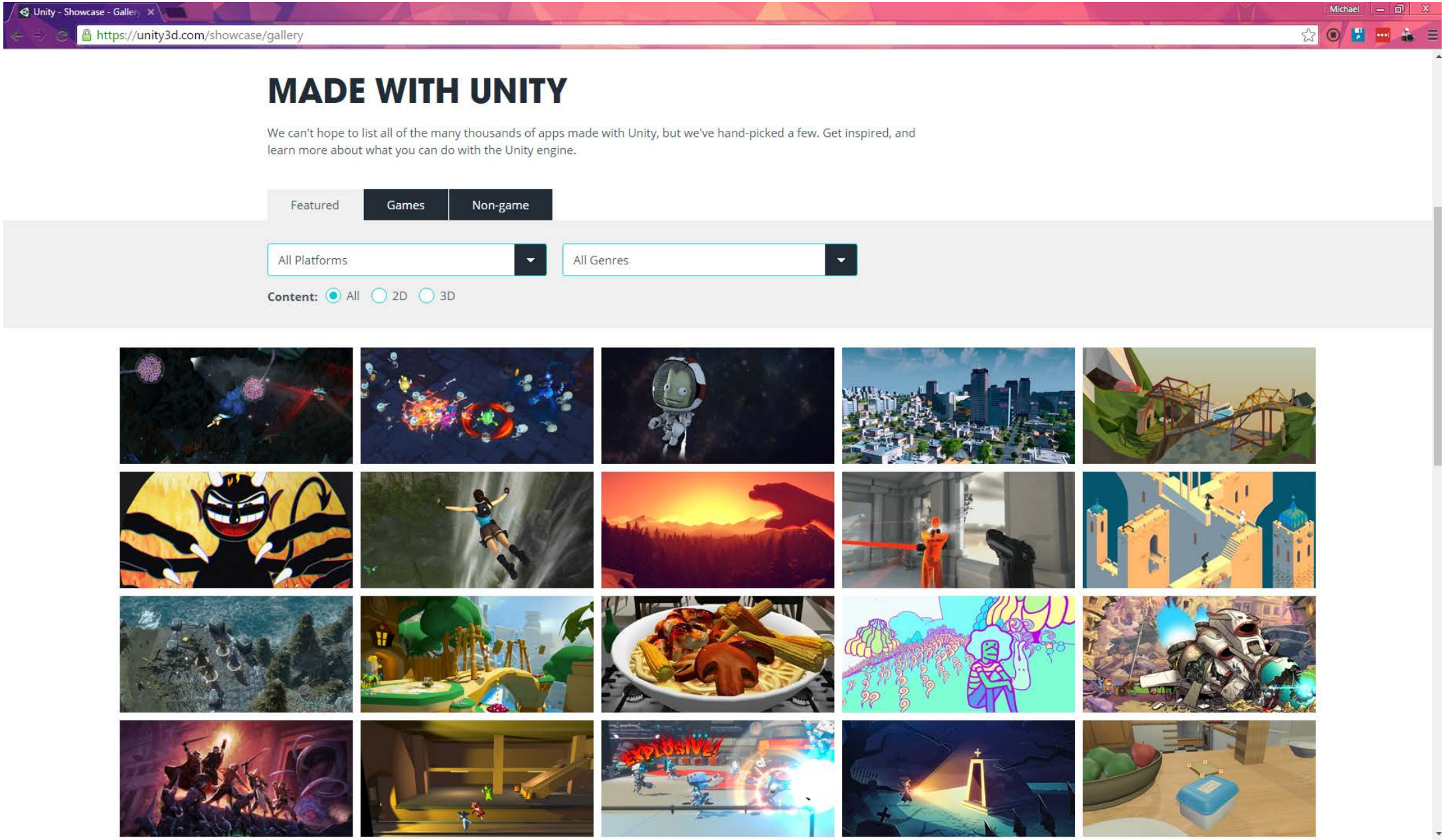
Interactive 3D
Michael Hadley

Interactive 3D?

Pokémon
GO



https://unity3d.com/showcase/gallery

Clinispace Dialysis

Slave Of God - Increpare Games

Augmented Hand Series - Golan Levin, Chris Sugrue, and Kyle McDonald

Polyfauna - Radiohead, Stanley Donwood and Nigel Godrich

https://vimeo.com/35266165

Karolina Sobecka – It's You

Robert Yang – Hurt Me Plenty

https://www.youtube.com/watch?v=N8zkbl6mKXE

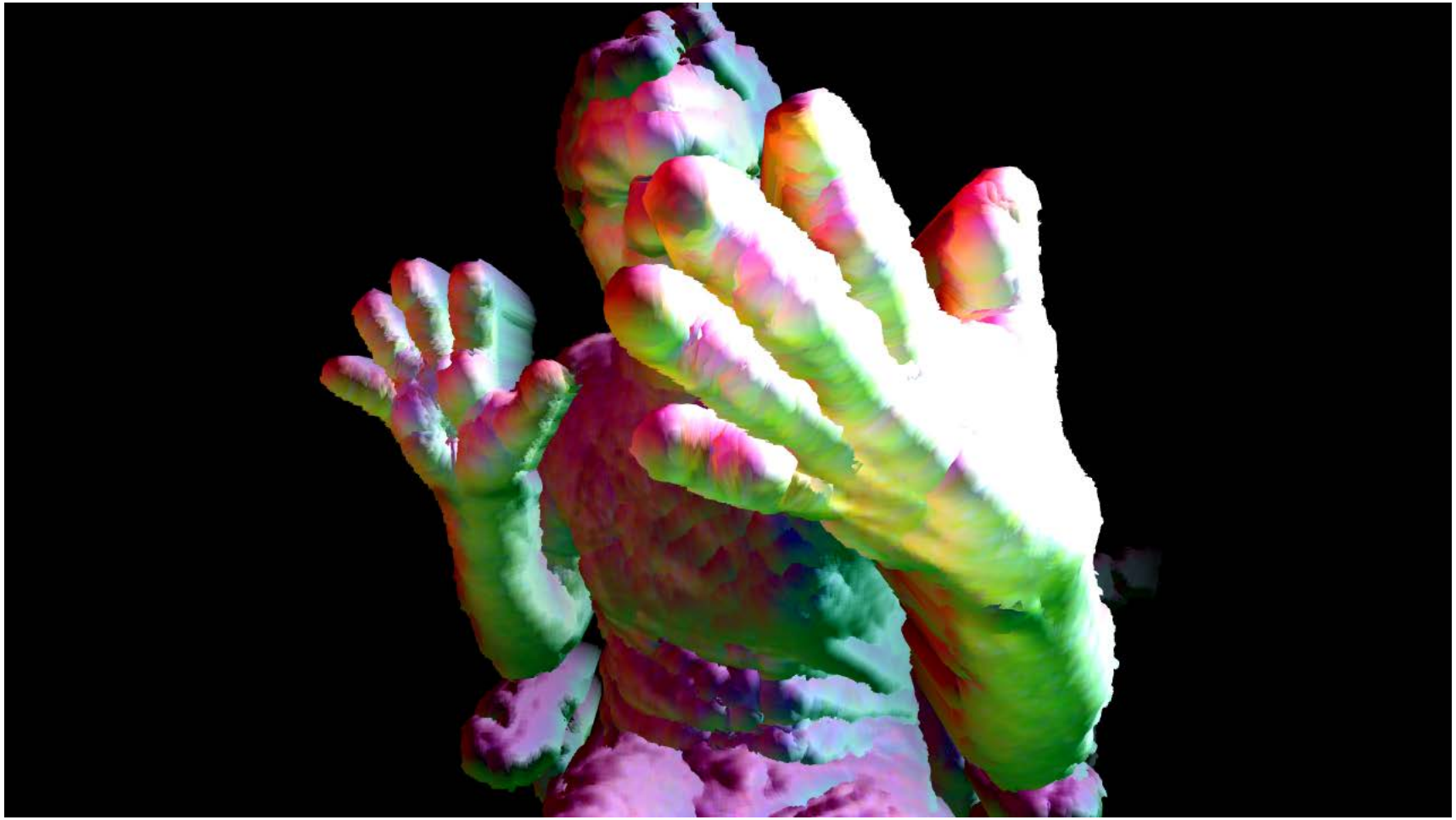
Disunion Guillotine Simulator

http://www.skindeep.cc/

Alon Chitayat & Rosalie Yu – Skin Deep

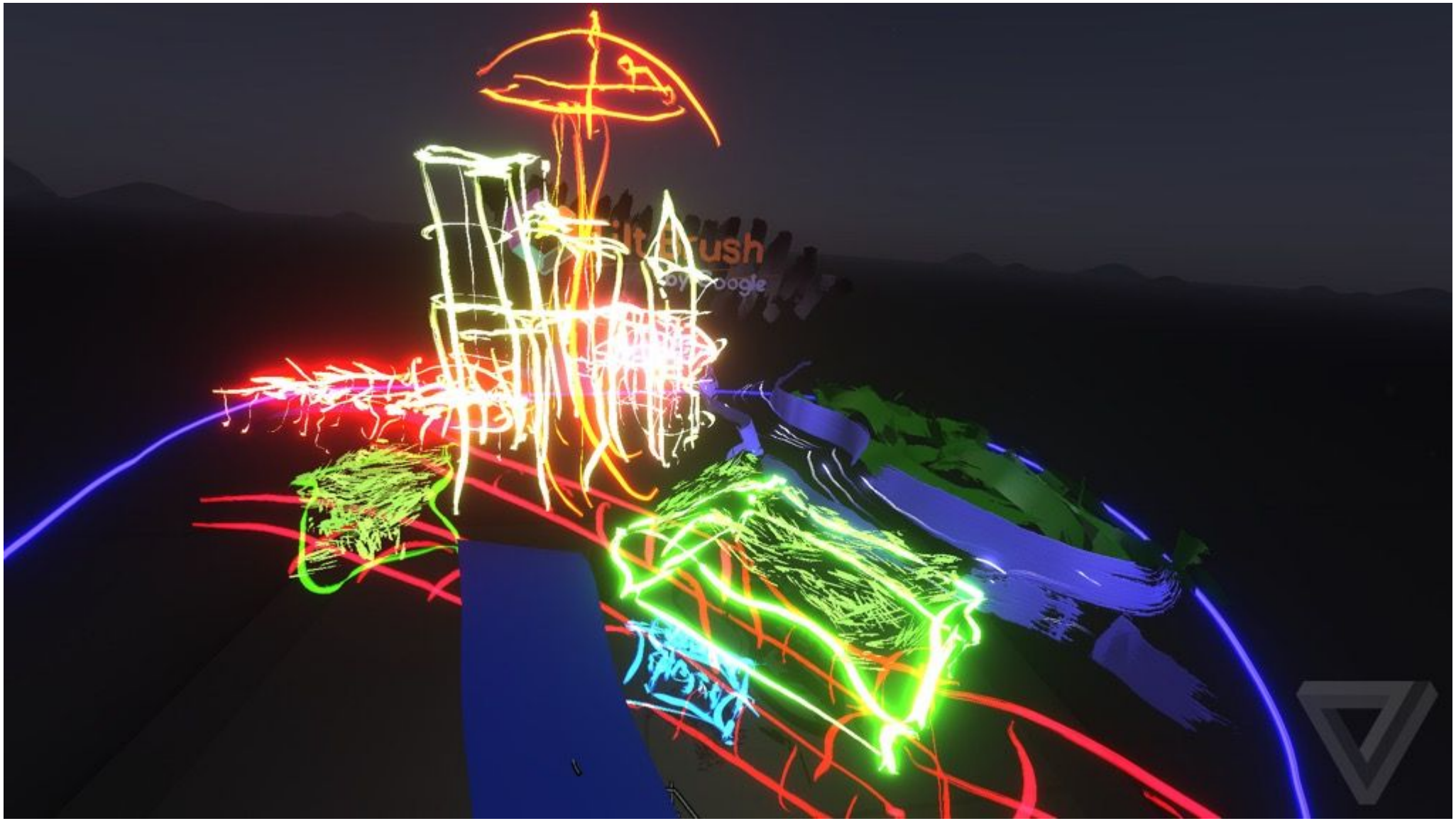
http://www.clairesophie.com/thshining360/

Claire Hentschker – Shining360



http://roberthodgin.com/portfolio/work/body-dysmorphia/

Robert Hodgin – Body Dysmorphia



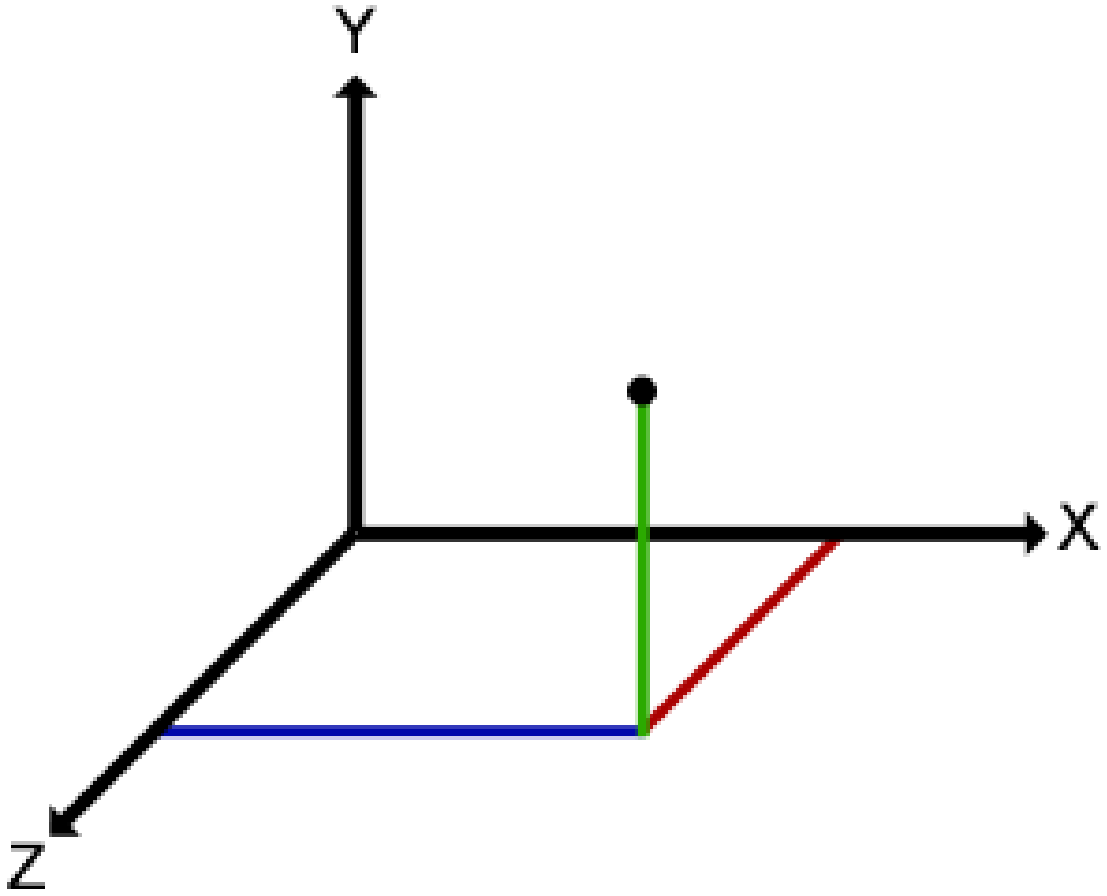
https://www.youtube.com/watch?v=uFzAB4mr3KI

http://twistedtreegames.com/proteus/

Ed Key and David Kanaga – Proteus

Components of 3D

What is 3D?



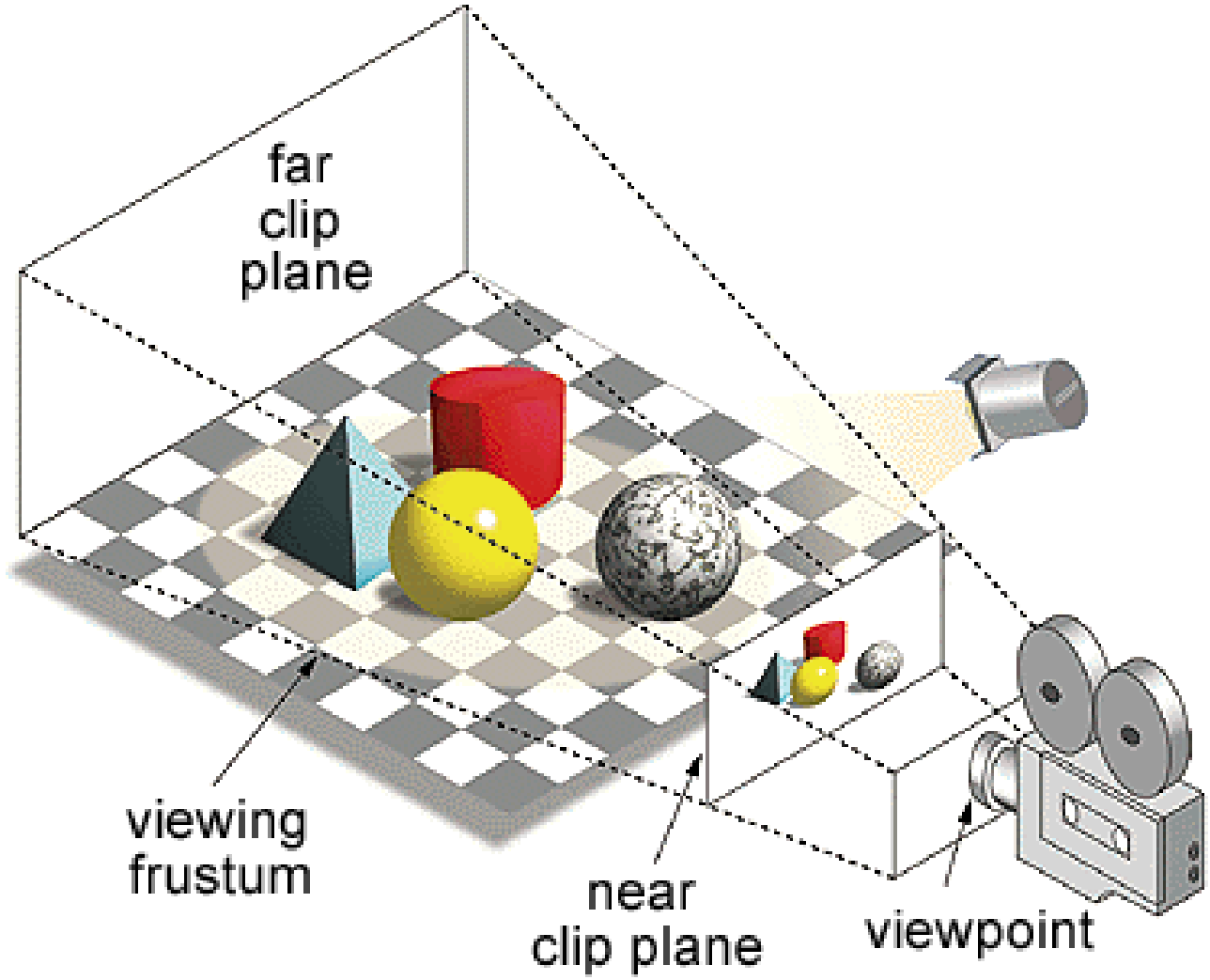
Components of a 3D Scene

Camera

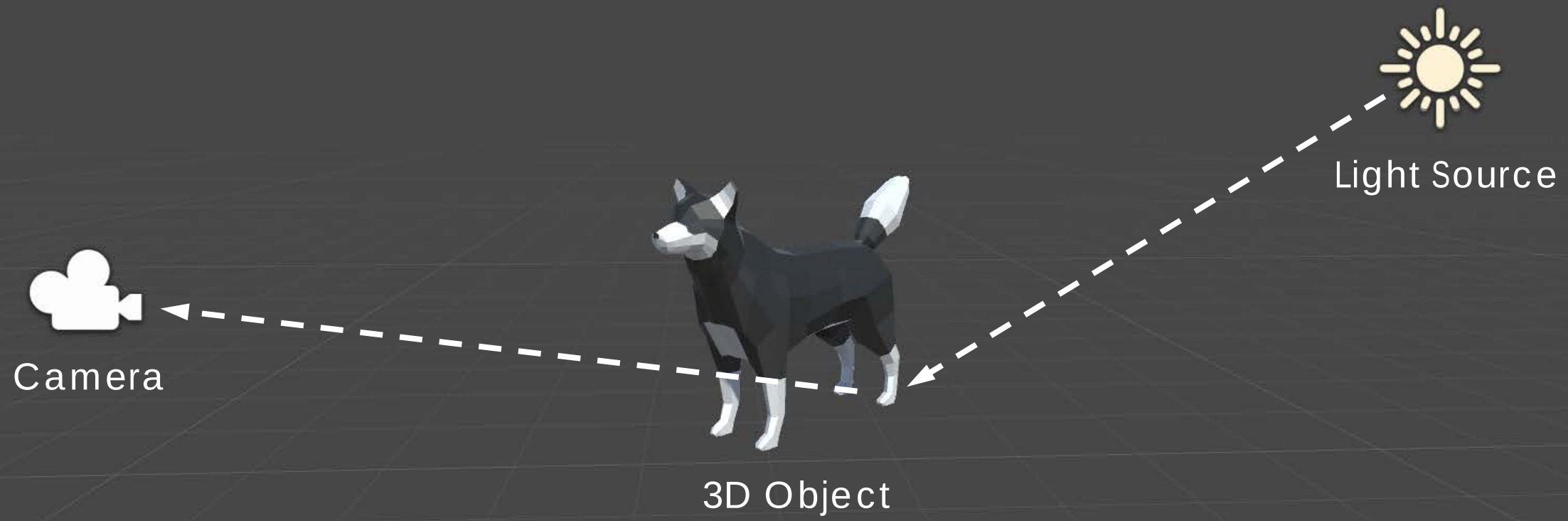
3D Object

Light Source

@PigArt's Low Poly Wolf

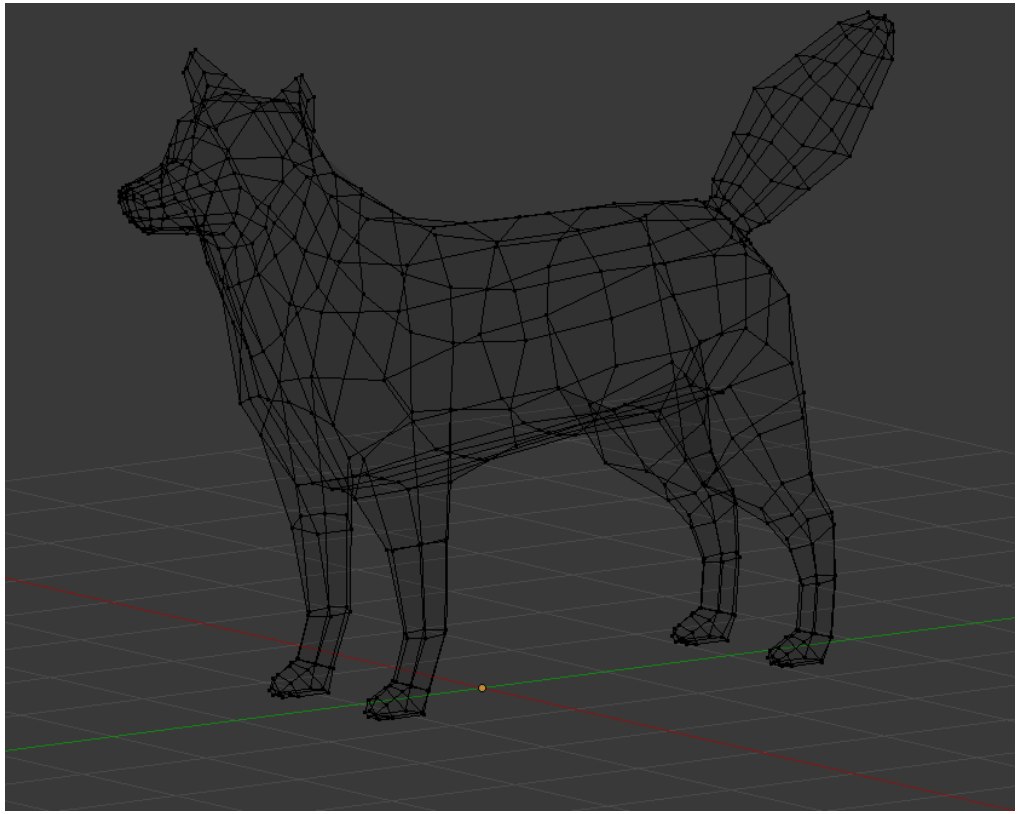

far
clip
plane
viewing
frustum
near
clip plane
viewpoint

Rendering a 3D Scene

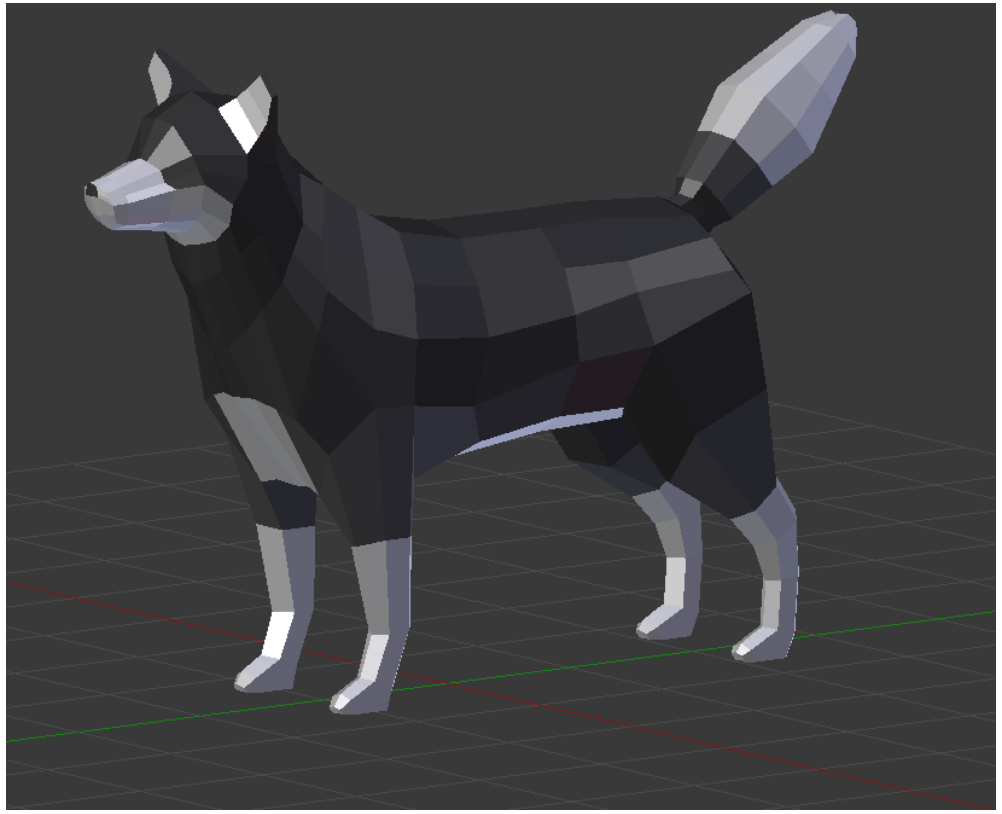


(Camera’s Point of View)

What’s a 3D Object?

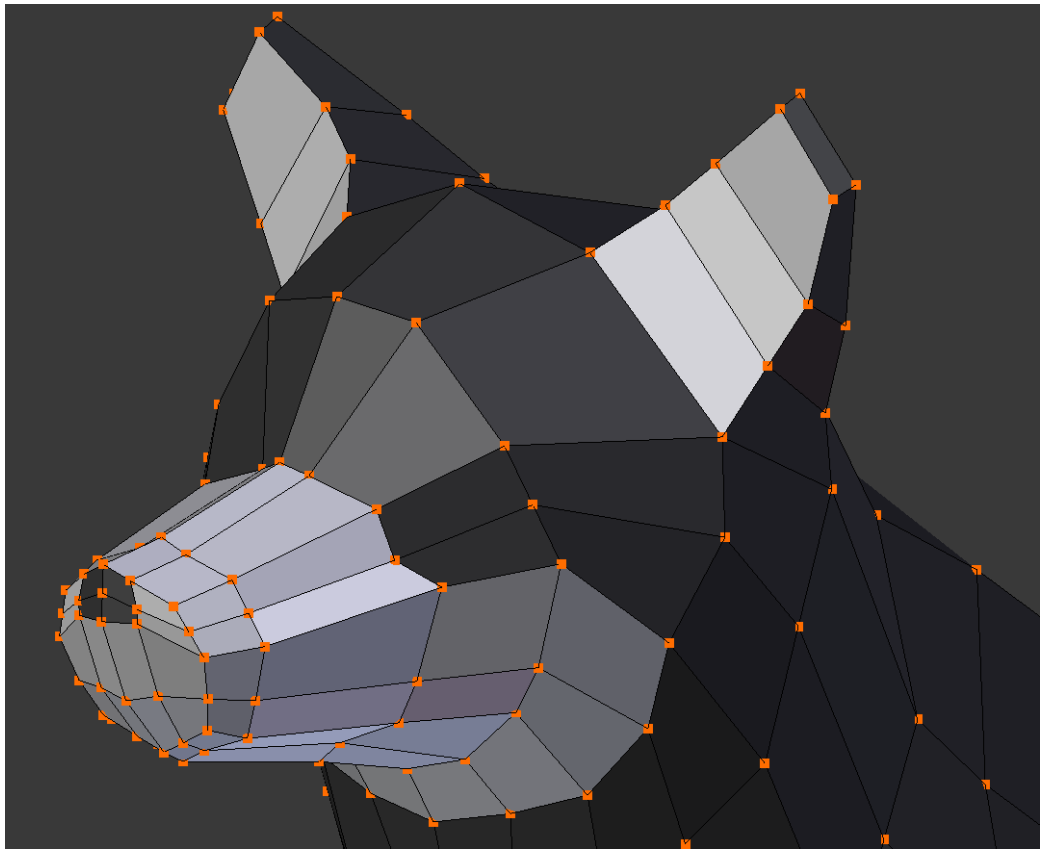


Geometry

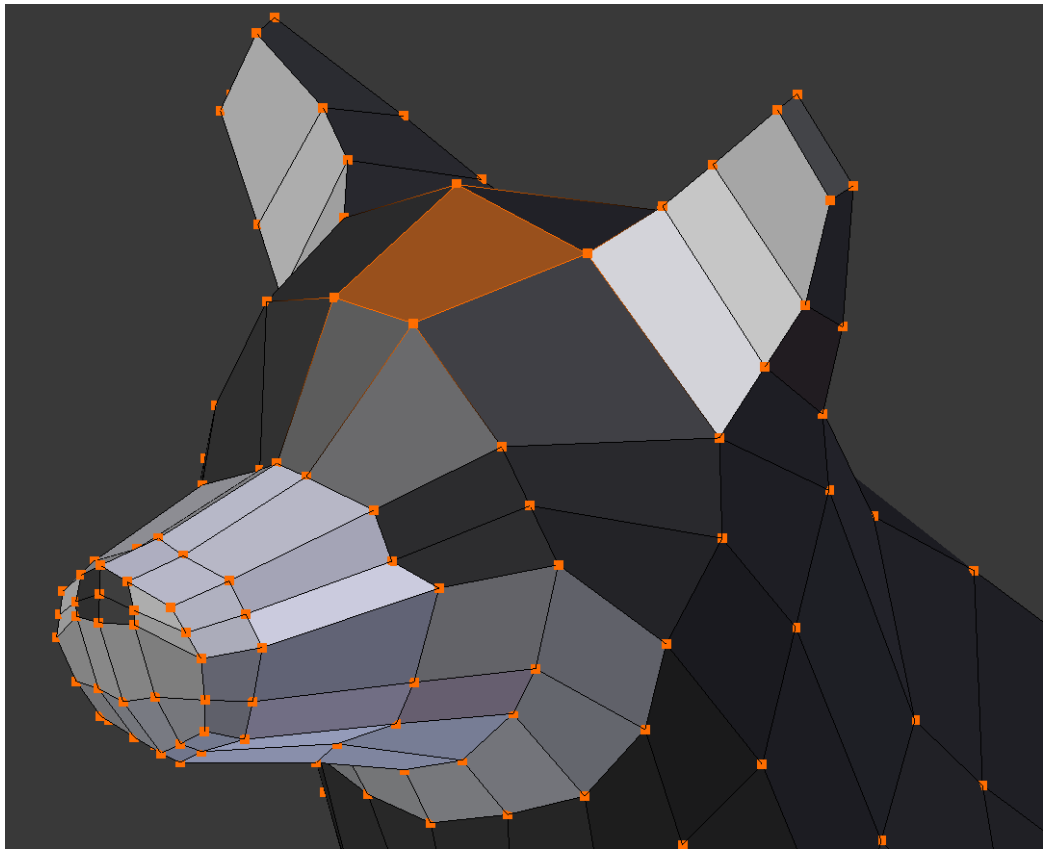


Material

Geometry



Vertices



Faces

Materials