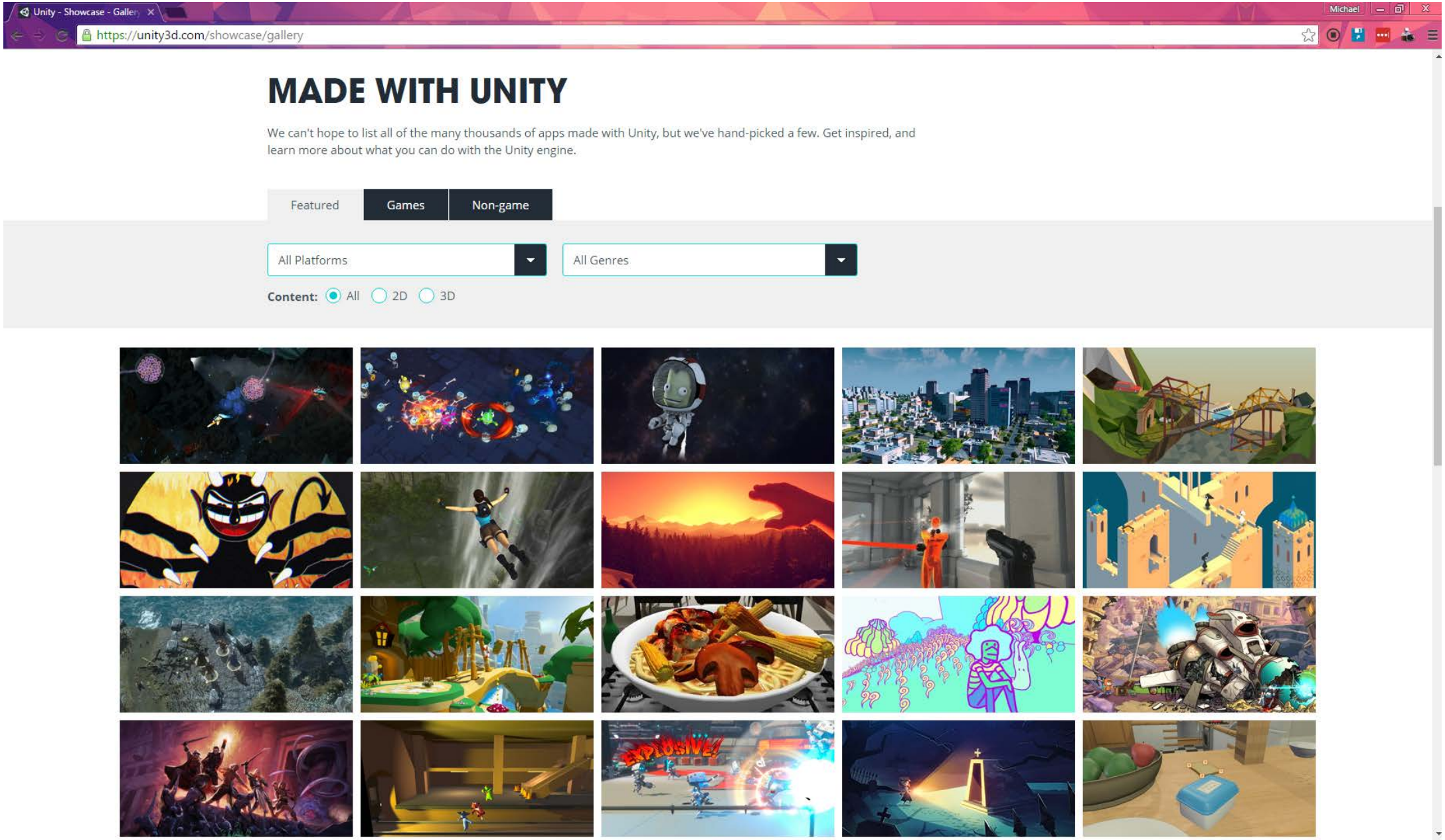
Unity 3D

Made with Unity



https://unity3d.com/showcase/gallery

https://vimeo.com/35266165

Karolina Sobecka – It's You

Games

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

Disunion Guillotine Simulator

http://twistedtreegames.com/proteus/

Ed Key and David Kanaga – Proteus

Unity Resources

Unity's Project Tutorials

Projects

Roll-a-ball tutorial (9)
New? Start here.

Space Shooter tutorial (19)
Blast some Asteroids!

Survival Shooter tutorial (12)
They mostly come at night..

Tanks tutorial (8)
2-players, 1 keyboard, Tank vs Tank.

2D Roguelike tutorial (14)
Procedural level Survive-em-up!

2D UFO Tutorial (9)
New? Want to make 2D games? Start here.

Adventure Game Tutorial (7)
Learn to create the systems used to develop an adventure game in this intermediate level project.

Let's Try Assignments (12)
Learn to create single game mechanics.

Procedural Cave Generation tutorial (9)
Let's get spelunking.

Unity's Video Tutorials

Topics

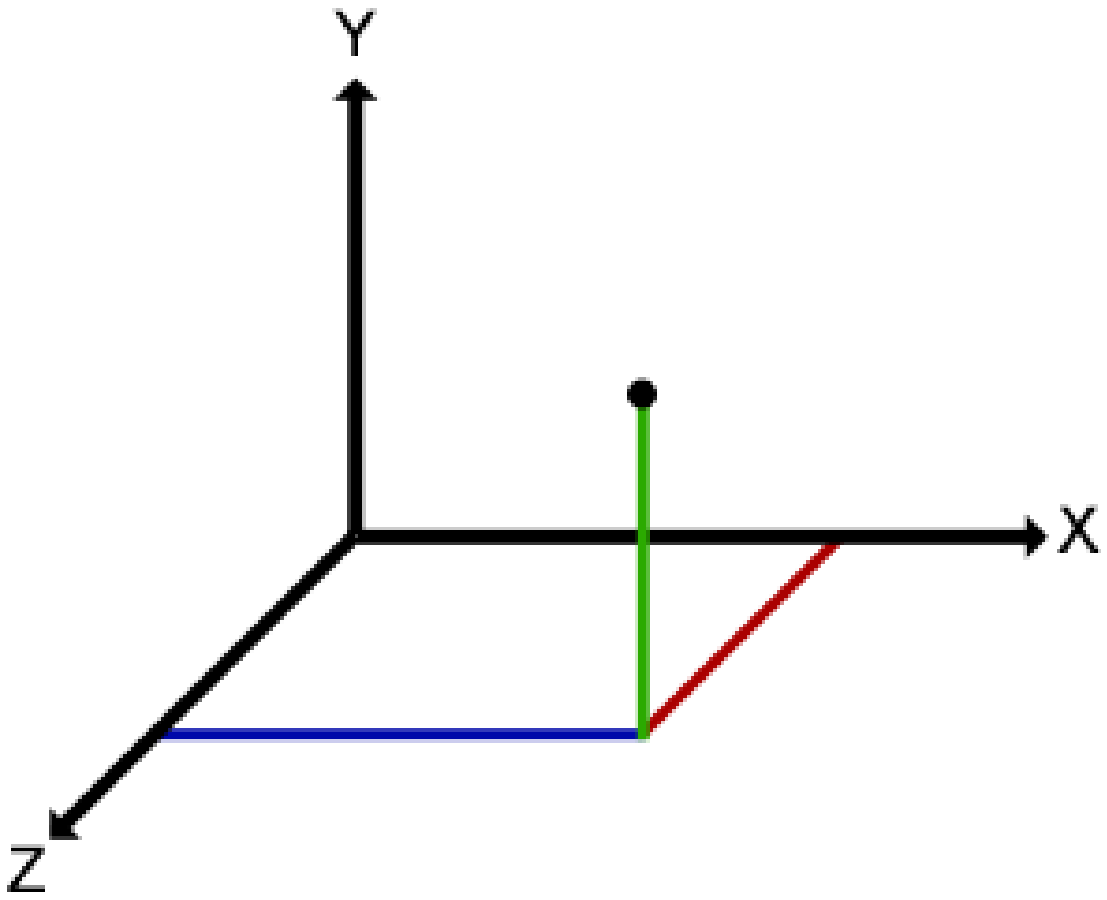
- Interface & Essentials (22)
- Scripting (102)
- Graphics (70)
- Audio (12)
- User Interface (UI) (41)
- Navigation (7)
- Ads & Analytics (9)
- Performance Optimization (4)
- 2D Game Creation (37)
- Best Practices (12)
- Physics (27)
- Animation (17)
- Mobile & Touch (6)
- Tips (19)
- Virtual Reality (8)
- Multiplayer Networking (21)

Other Sources

- YouTube
  - Jimmy Vegas – how to series on multiple game types
  - Game Grind – similar how tos
  - Sebastian Lague – advanced topics as well as a programming crash course
- r/Unity3D
- Unity Forums
- Unity Answers
- Google

Components of 3D

What is 3D?



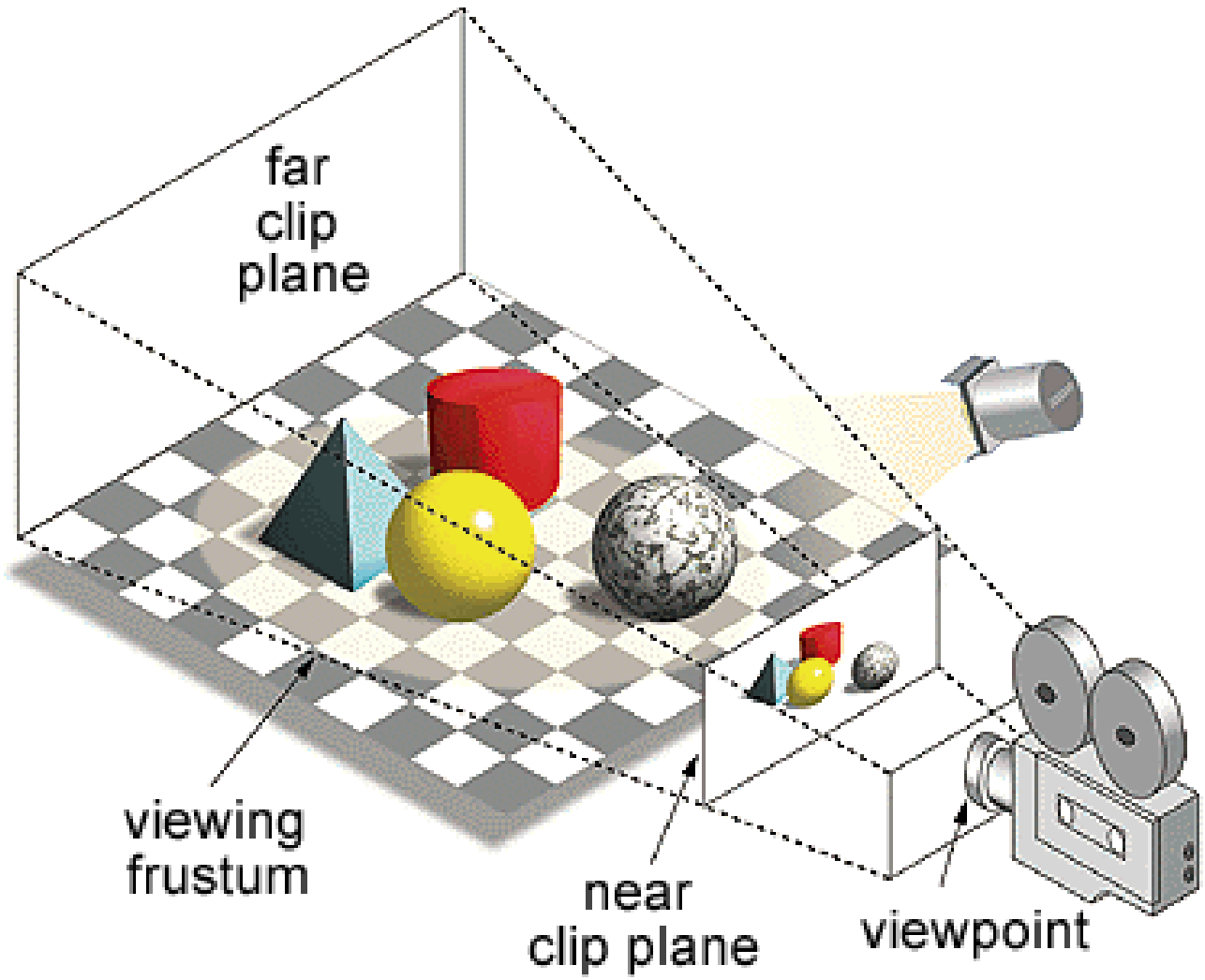
Components of a 3D Scene

Light Source

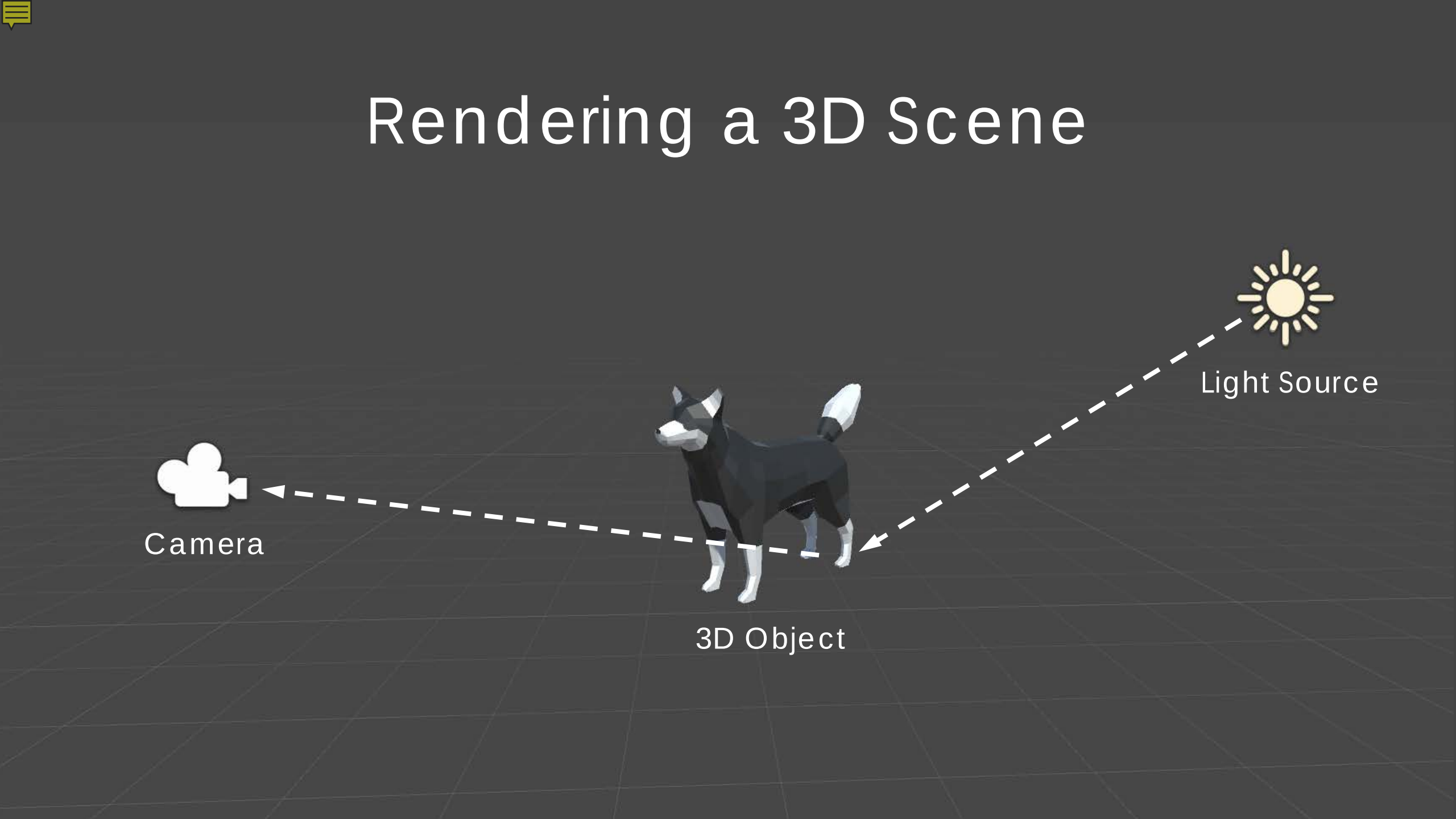
Camera

3D Object

@PigArt's Low Poly Wolf

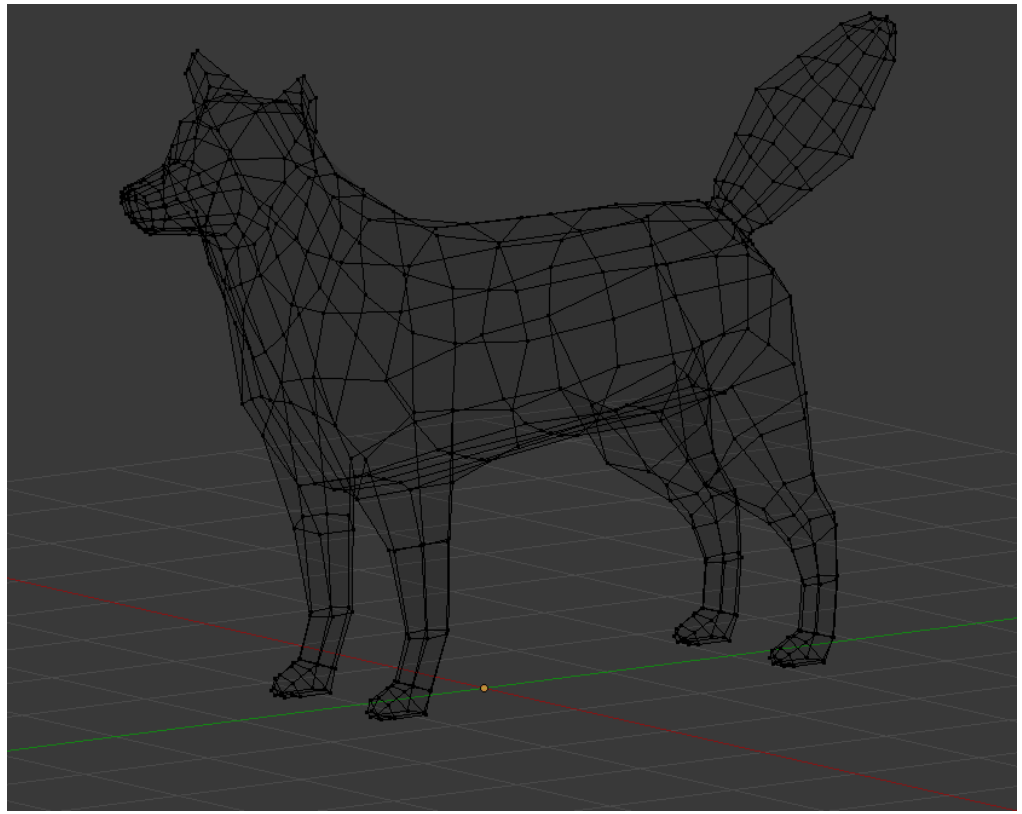

far
clip
plane
viewing
frustum
near
clip plane
viewpoint

Rendering a 3D Scene

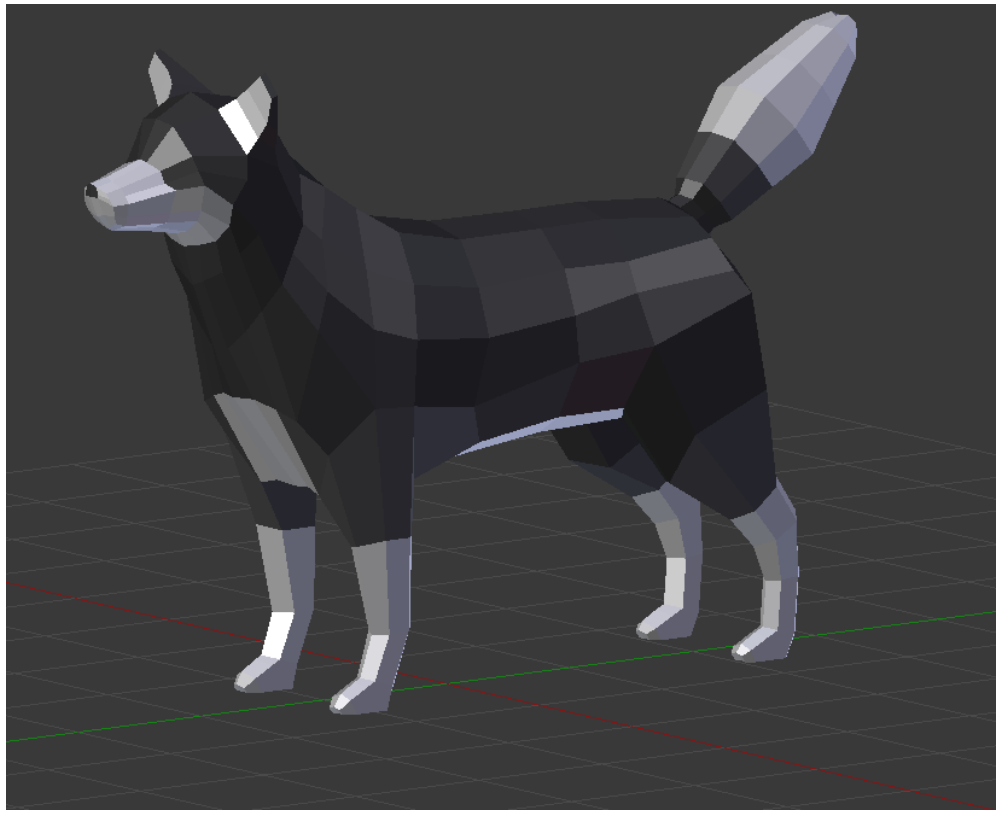


(Camera's Point of View)

What's a 3D Object?

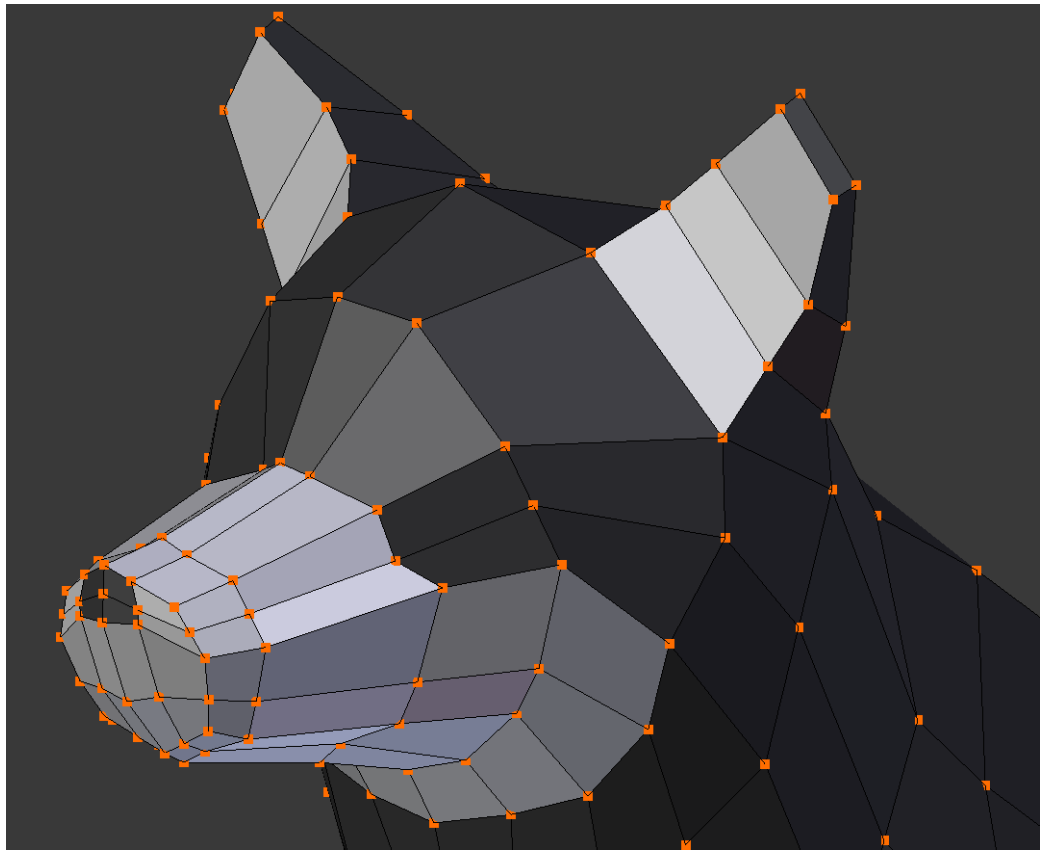


Geometry

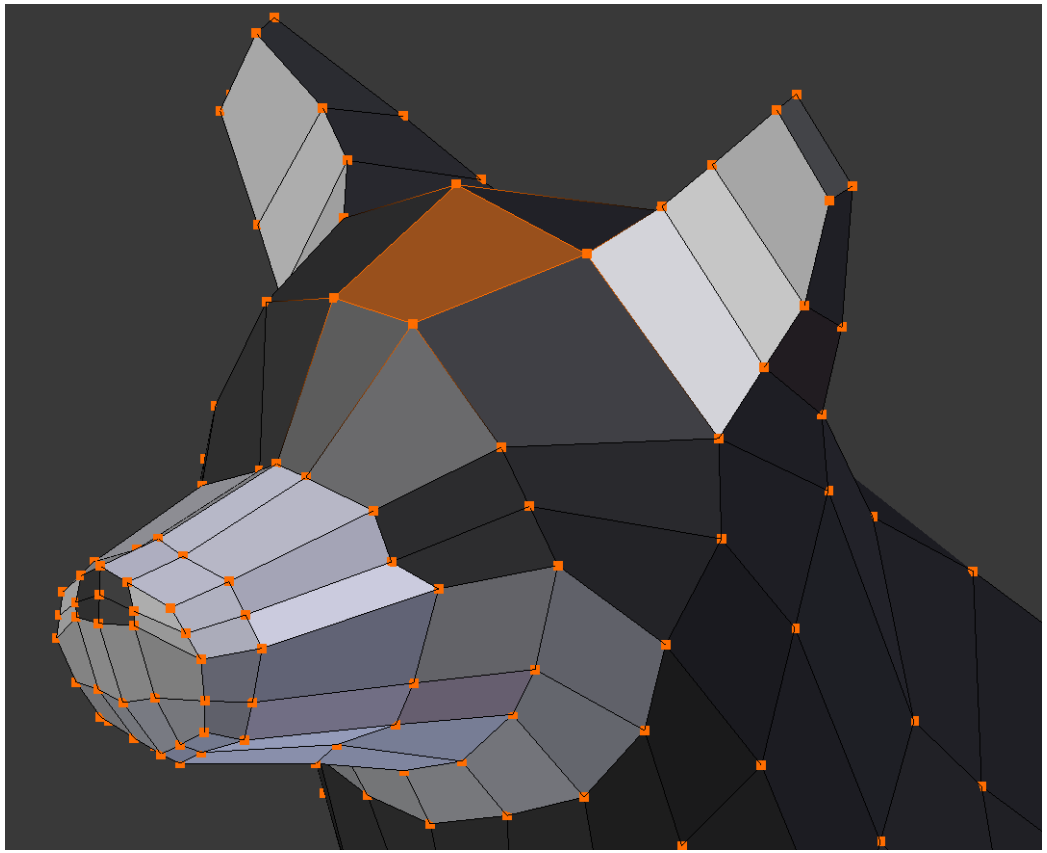


Material

Geometry



Vertices



Faces

Materials