A-FRAME VR — Texture & Animation for Beginners

Prashant Mhatre · Follow
Oct 3, 2021

👏 10   💬   🔖 ▷ 📤

In this tutorial, we will take a look at how to texture and animate an object in A-FRAME VR.

Note: Texture and material (and Shader) are different if you are not from 3D Graphics background.

A-FRAME Animation — Full Source

```
1    <html>
2    <head>
3      <script src="https://aframe.io/releases/0.5.0/aframe.min.js"></script>
4    </head>
5    <body>
6      <a-scene>
7        <a-assets>
8          <img id="woodTexture" src="https://cdn.pixabay.com/photo/2018/04/17/08/03/background-image-3326843_960_720.jpg">
9        </a-assets>
10       <a-box src="#woodTexture" position="0 3 -7" rotation="0 65 35" scale="2 2 2">
11         <a-animation attribute="rotation" dur="3000" fill="forwards" to="30 360 60" repeat="indefinite"></a-animation>
12         <a-animation attribute="position" dur="3000" from="0 3 -7" to="5 0 -3" repeat="indefinite"> </a-animation>
13         <a-animation attribute="scale" dur="3000" from="2 2 2" to="8 1 2" repeat="indefinite"></a-animation>
14         </a-animation>
15       </a-box>
16
17       <a-sky color="#000"></a-sky>
18
19     </a-scene>
20   <body>
21   </html>
```

End Result

A-Frame Animation

Applying Texture

```
<a-assets>
  <img id="woodTexture" src="https://cdn.pixabay.com/photo/2018/04/17/08/03/background-image-3326843_960_720.jpg">
</a-assets>
<a-box src="#woodTexture" position="0 3 -7" rotation="0 65 35" scale="2 2 2">
```

Texture

Animate Rotation

```
<a-animation attribute="rotation" dur="3000" fill="forwards" to="30 360 60" repeat="indefinite"></a-animation>
```

Rotation

Animate Position

```
<a-animation attribute="position" dur="3000" from="0 3 -7" to="5 0 -3" repeat="indefinite"> </a-animation>
```

Position

Animate Scale

```
<a-animation attribute="scale" dur="3000" from="2 2 2" to="8 1 2" repeat="indefinite"></a-animation>
```

Scala

Where to go next?

Animating Different Types of Properties

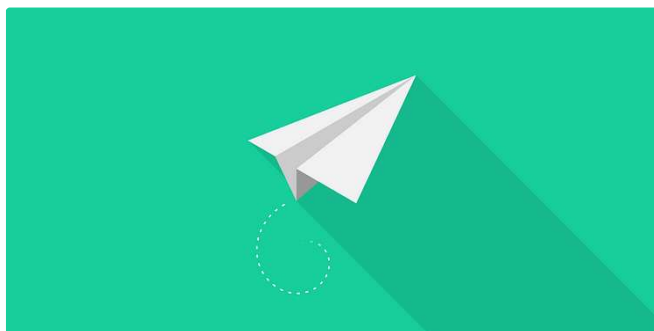A Frame   Virtual Reality   VR

Written by Prashant Mhatre

🌴 Connect on Linkedin: https://www.linkedin.com/in/prashantnmhatre

Follow

More from Prashant Mhatre

👤 Prashant Mhatre

Remove Video Background Without a Green Screen in OBS...

Learn how to remove video background without a green screen in OBS Studio while...

2 min read · Sep 21, 2021

👏 44   💬 3   🔖

👤 Prashant Mhatre

Generative AI Certifications | LLM Certifications | Learning Paths

As the field of artificial intelligence continues to expand, mastery in Generative AI and...

3 min read · Jun 30, 2023

👏 40   💬 1   🔖

Prashant Mhatre

Prashant Mhatre

Data Warehouse vs Data Vault vs Data Lake vs Delta Lake vs Data...

A data warehouse is a central repository for all the data an organization collects and uses. It...

13 min read · Dec 15, 2022

Data Catalogs Explained— Examples, Capabilities, Vendors ...

A Data Catalog serves as a central hub for managing, discovering, and collaborating on...

25 min read · Feb 20, 2023

57   1

2

See all from Prashant Mhatre

Recommended from Medium

The Evolution of Augmented Reality (AR) Gaming: A Deep Dive...

Introduction

4 min read · Nov 29, 2023

👏 2 💬   🔖+

Exploring Augmented Reality (AR) and Virtual Reality (VR)

Discover AR and VR wonders—gaming, education, healthcare transformed. Your...

5 min read · Jan 2, 2024

👏 9 💬   🔖+

Lists

Apple's Vision Pro
7 stories · 54 saves

Interesting Design Topics
226 stories · 377 saves

Best of The Writing Cooperative
67 stories · 211 saves

Medium's Huge List of Publications Accepting...
262 stories · 2000 saves

Yoni Binstock

5 Lessons Learned Building Location-based AR Experiences

The emergence of Location-based Augmented Reality promises to transform th...

7 min read · Oct 19, 2023

Donwisz

Virtual Reality (VR): A Glimpse into the Digital...

2 min read · Oct 19, 2023

Sunil Jain

Desi Decode

Use of AR & VR Technology in Business Growth

In recent years, Augmented Reality (AR) and Virtual Reality (VR) have transcended the...

4 min read · Dec 11, 2023

Augmented Reality Unveiled: Shaping the Future of Virtual...

Augmented Reality Unveiled: Shaping the Future of Virtual Worlds

5 min read · Jan 17, 2024

See more recommendations