



# CREATE

## 3D ANIMATED SHORTFILM WITH THE HELP OF AI

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FTF VŠMU

Slovakia

**duf**  
ATELIÉR  
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FILMOVÁ  
A TELEVÍZNA  
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VŠMU

# Introduction



- *Project and its goals*
  - Two elements: **fire** and **water**
  - Different approach using AI
  - Full 3D animated short film
  - Bring and create something new, NOT this



created by Sora | OpenAI

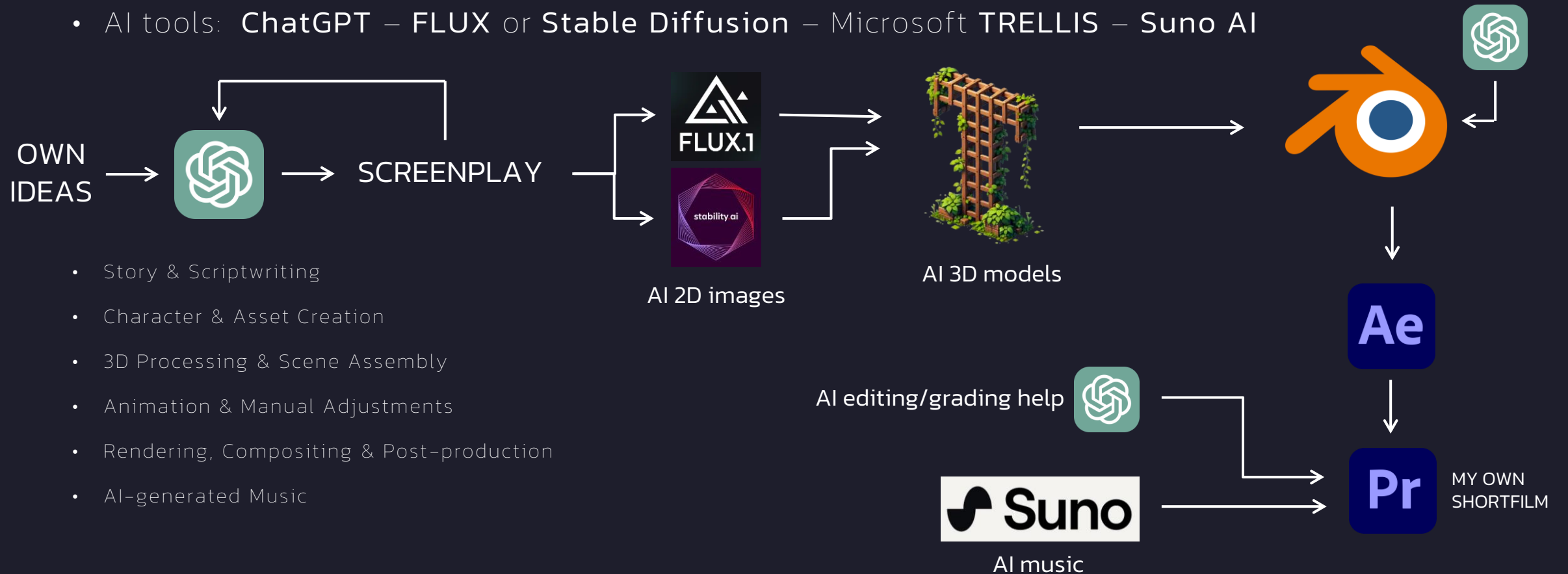


created by DALL·E 3



# Overview of the Pipeline

- Software used: **Blender** – **After Effects** & **Premiere Pro**
- AI tools: **ChatGPT** – **FLUX** or **Stable Diffusion** – Microsoft **TRELLIS** – **Suno AI**



# Writing the Script with AI

## Revised Script:

### 1. Rainy Scene Setup:

- It's a stormy evening. A man waits at a roofless bus stop, shivering slightly under the heavy rain. He fumbles in his pocket and pulls out a cigarette and matches.

### 2. Failed Attempts:

- He tries lighting a match, but the rain instantly snuffs it out. He repeats this several times, visibly frustrated.

### 3. Arrival of the Second Person:

- Another person arrives, holding a large umbrella. The first man notices them and gestures toward the umbrella, silently asking to share the cover. The second person nods and steps closer.

### 4. Moment of Relief:

- The man, now dry, finally lights his cigarette with satisfaction. The match flickers dramatically against the rain.

### 5. The Other Person's Annoyance:

- The second person coughs loudly, frowning at the smoke. Irritated, they step out from under the umbrella, leaving the man alone again.

### 6. Ironic Ending:

- The rain puts out the cigarette as the man stands there, wet and defeated, staring at his ruined cigarette.

## Shot List:

### 1. Establishing Shot:

Wide shot of the bus stop in the rain. The first man stands alone, soaking wet. This shot establishes the mood and setting. (Reusable for any wide scene transitions.)

### 2. Close-Up of the First Man:

Focus on his face and hands as he pulls out the cigarette and matches. Show his frustration as the matches fail one by one.

### 3. Medium Shot:

The second person enters the scene with the umbrella. Show their interaction with the first man (gestures, nods). This is key for their silent communication.

### 4. Close-Up of the Match Lighting:

A dramatic close-up of the match finally lighting, the flame reflecting relief and satisfaction on the man's face.

### 5. Medium Two-Shot:

Both characters standing under the umbrella. The second person coughs and steps away.

### 6. Final Wide Shot:

Return to the establishing shot setup, but now the man is alone, rain extinguishing his cigarette. This mirrors the opening shot, reinforcing the irony.

# Writing the Script with AI

## Main Assets

### 1. Characters

- **Man (Smoker)**
  - Outfit: Simple rain-soaked attire (e.g., jacket, jeans, shoes).
  - Accessories: Cigarette, matchbox.
  - Rigging: Facial expressions (frustration, relief), basic body rig for gestures.
- **Person with Umbrella**
  - Outfit: Practical rainwear (e.g., raincoat, boots).
  - Accessory: Large umbrella.
  - Rigging: Basic body rig for walking, holding the umbrella, stepping away.

### 2. Props

- **Cigarette**
  - State changes: Unlit, lit (with glowing tip and smoke), extinguished (wet).
- **Matchbox and Matches**
  - Single matches with animations for striking, burning, and being snuffed out.
- **Umbrella**
  - Open and held by the second character.
  - Optional: Wet surface shader to reflect rain detail.

## Environment Assets

### 1. Bus Stop

- Structure: Minimalistic, roofless design (bench or small stand).
- Materials: Weathered, slightly rusty metal or plastic.

### 2. Ground

- Texture: Wet asphalt or pavement with puddles.
- Optional: Subtle reflections from the rain.

### 3. Backdrop

- A city street or a rural setting, depending on your chosen atmosphere.
- Distant buildings or blurred background trees/landscape for depth.

### 4. Rain Effect

- **Particles:** Falling rain droplets (optimized particle system).
- **Splashes:** Subtle ripples where droplets hit the ground, umbrella, or bench.

### 5. Lighting and Sky

- Overcast clouds for the sky.
- Low, diffused lighting to match a rainy day.
- Optional: Streetlight or a bus stop sign with soft illumination for contrast.

### 6. Optional Details

- **Puddles:** With realistic reflections and slight ripples.
- **Dripping Water:** From edges of the bus stop or the umbrella.
- **Ambient Props:**
  - Wet leaves or trash on the ground.
  - A pole or bus schedule sign near the stop.

- Help with organization
- Categorized list of assets

## Sound Assets (Optional)

If you're considering audio:

- Rainfall sound effect.
- Match strike and burning sound.
- Umbrella rustling.
- Footsteps splashing in puddles.
- Cigarette lighting and sizzling when extinguished.

# AI-Generated 2D Images – Characters

Prompt examples:

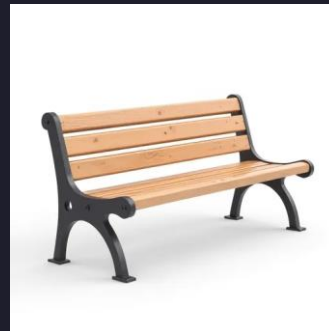
- ▶ *3D render front view, stylized brush hand painted of slim character wearing wet dirty trench coat, full body, hands apart*
- ▶ *3D character, front view of slim character wearing wet dirty trench coat*
- ▶ *full body hands apart, front view character design of slim old male character wearing wet dirty trench coat, 3D character*



# AI-Generated 2D Images – Assets

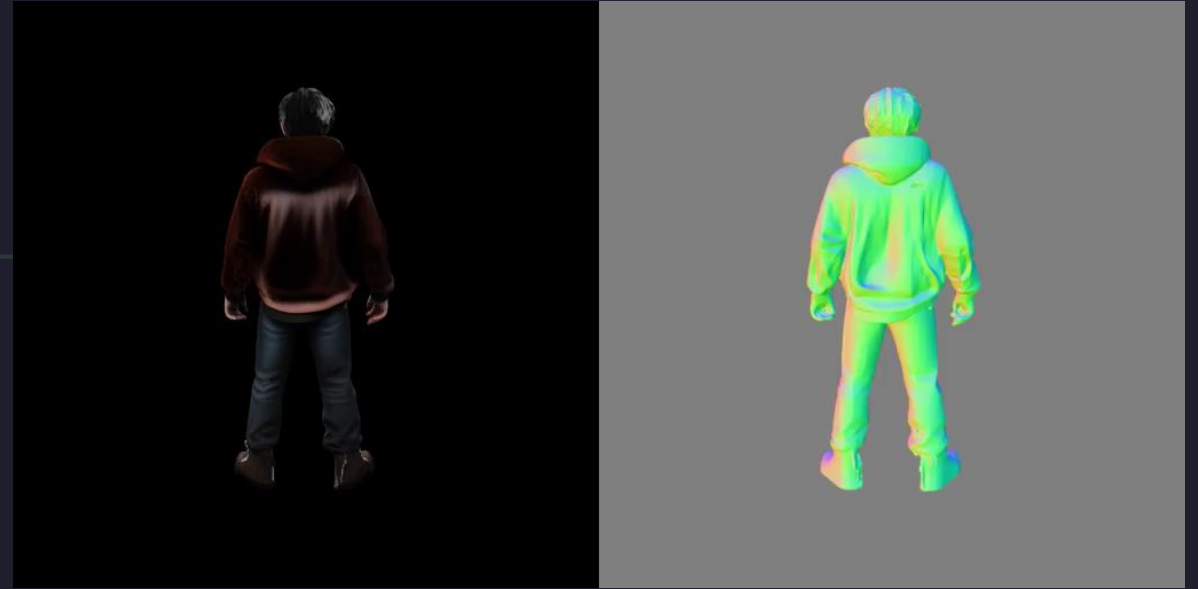


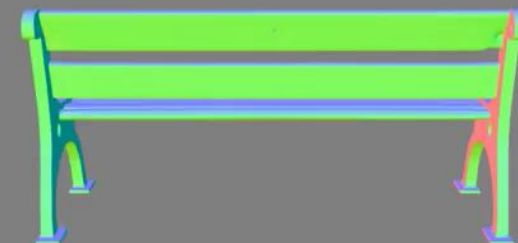
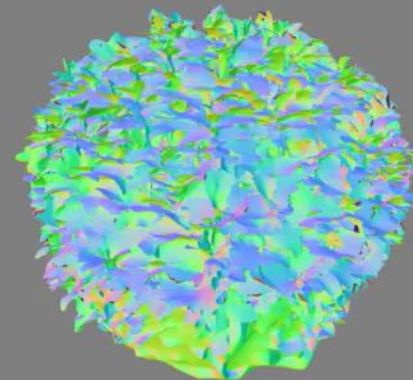
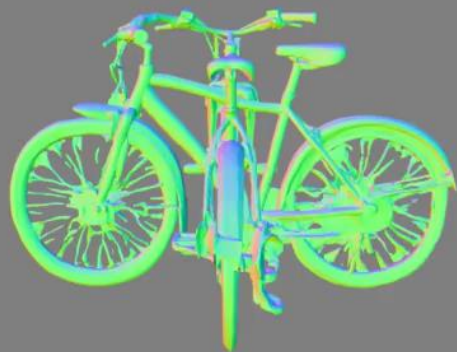
- Secondary assets
- Environmental assets



# 2D Images into 3D

- AI-assisted transformation (3D point clouds to vertices)
- Challenges and benefits of this process



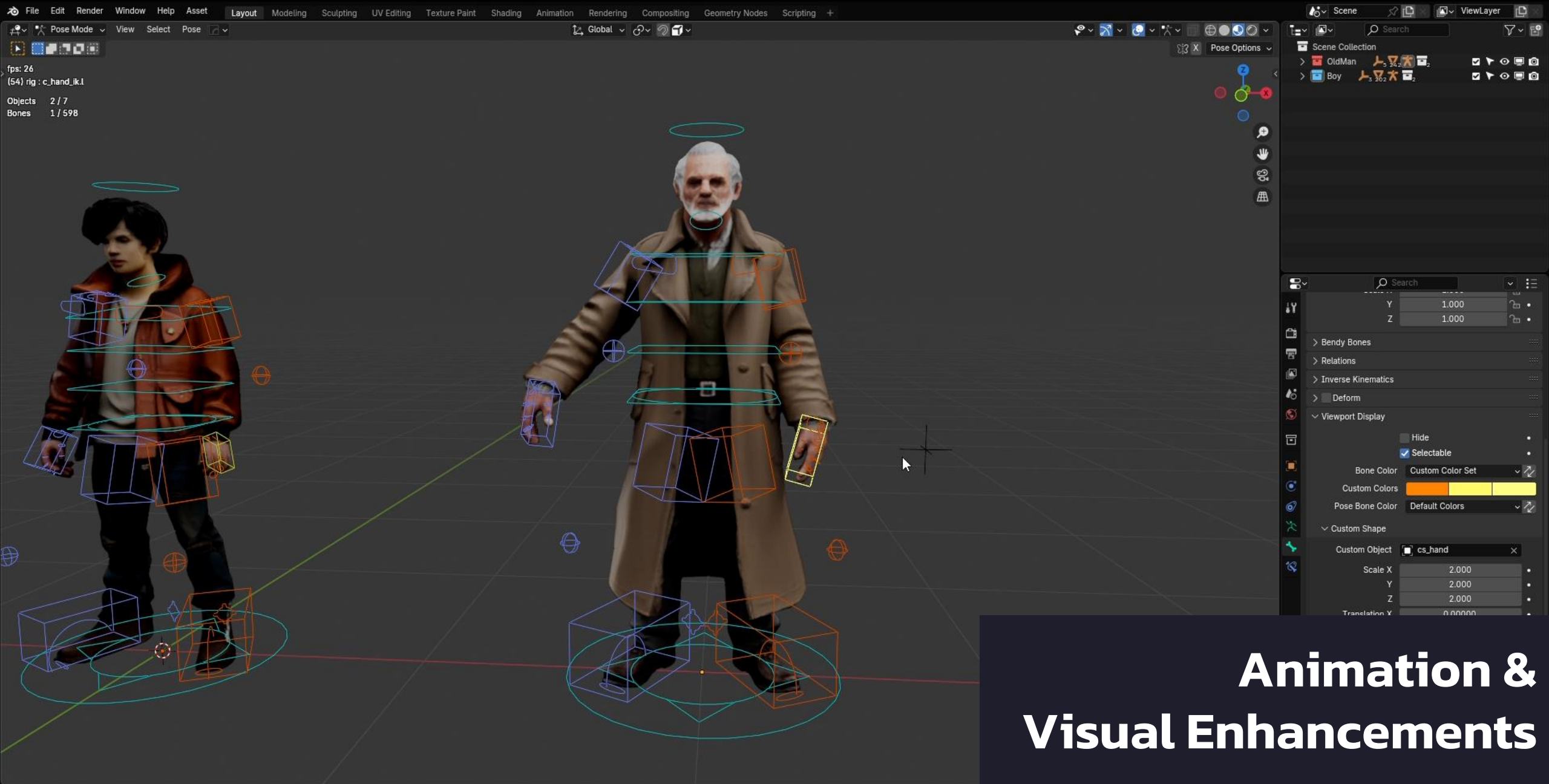




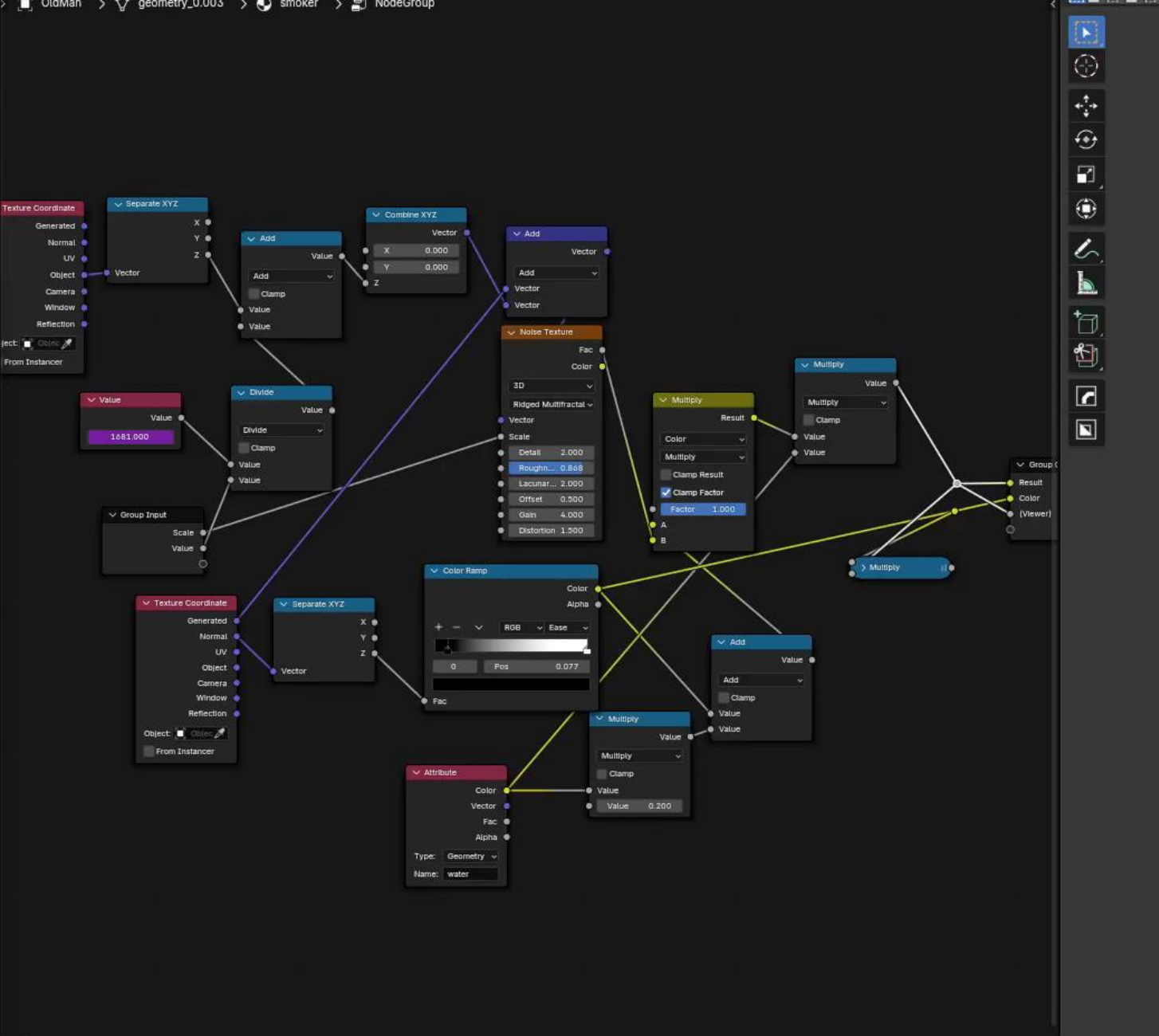
# Asset Creation & Scene Assembly

# Procedural rain using Geometry Nodes





# Animation & Visual Enhancements



Smoke

v3.5

Simple

Custom

Instrumental

Styles

Clear

film score, epic drama, comedy, sad, mid-tempo, slow, waiting for the bus on rainy day at night

Suggestions

↑

syncopated rhythms. falsetto voc...

indie pop

dubstep

ambient

psytrance

garage house

female vocals pop

More Options (Optional)

↓

Save Prompt

Clear All

⚙️

Create

+

AI-Generated Music & Sound Design

<

My Workspace

Filters (2)

Liked

Search song titles and styles

◀ 1 ▶

2:51

Smoke

v4

film score, epic drama, comedy, sad, mid-tempo, slow, waiting for the bus on rainy day at night

Extend

Public

👍👎💬0

🔗⋮

3:16

Smoke

v4

film score, epic drama, comedy, sad, mid-tempo, slow, waiting for the bus on rainy day at night

Extend

Public

👍👎💬0

🔗⋮

4:06

Smoke

v4

sad slow music for a rainy day while waiting on a bus stop and wanting to smoke, pop, brass, drums, soul

Extend

Public

👍👎💬0

🔗⋮

2:07

Smoke

v4

sad slow music for a rainy day while waiting on a bus stop and wanting to smoke, pop, brass, drums, soul

Extend

Public

👍👎💬0

🔗⋮

2:53

Smoke

v4

sad slow electro swing music for a rainy day while waiting on a bus stop and wanting to smoke

Extend

Public

👍👎💬0

🔗⋮

3:14

Smoke

v4

sad slow electro swing music for a rainy day while waiting on a bus stop and wanting to smoke

Extend

Public

👍👎💬0

🔗⋮

2:49

Smoke

v4

60s pop, blues, sad, brass sad slow music for a rainy day while waiting on a bus stop and wanting to smoke

Extend

Public

👍👎💬0

🔗⋮

3:01

Smoke

v4

60s pop, blues, sad, brass sad slow music for a rainy day while waiting on a bus stop and wanting to smoke

Extend

Public

👍👎💬0

🔗⋮

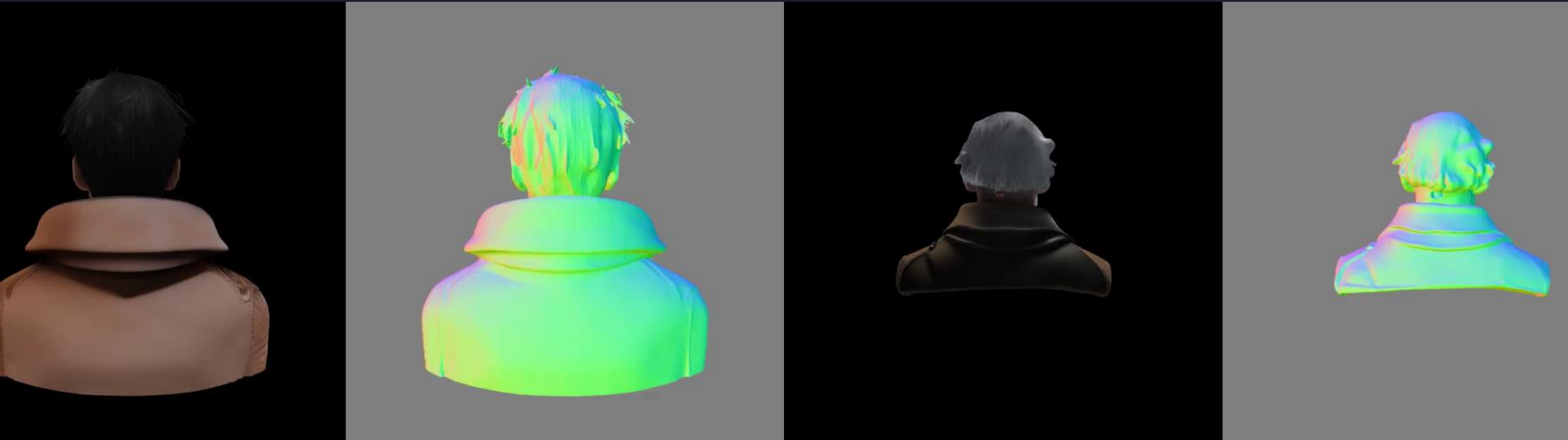


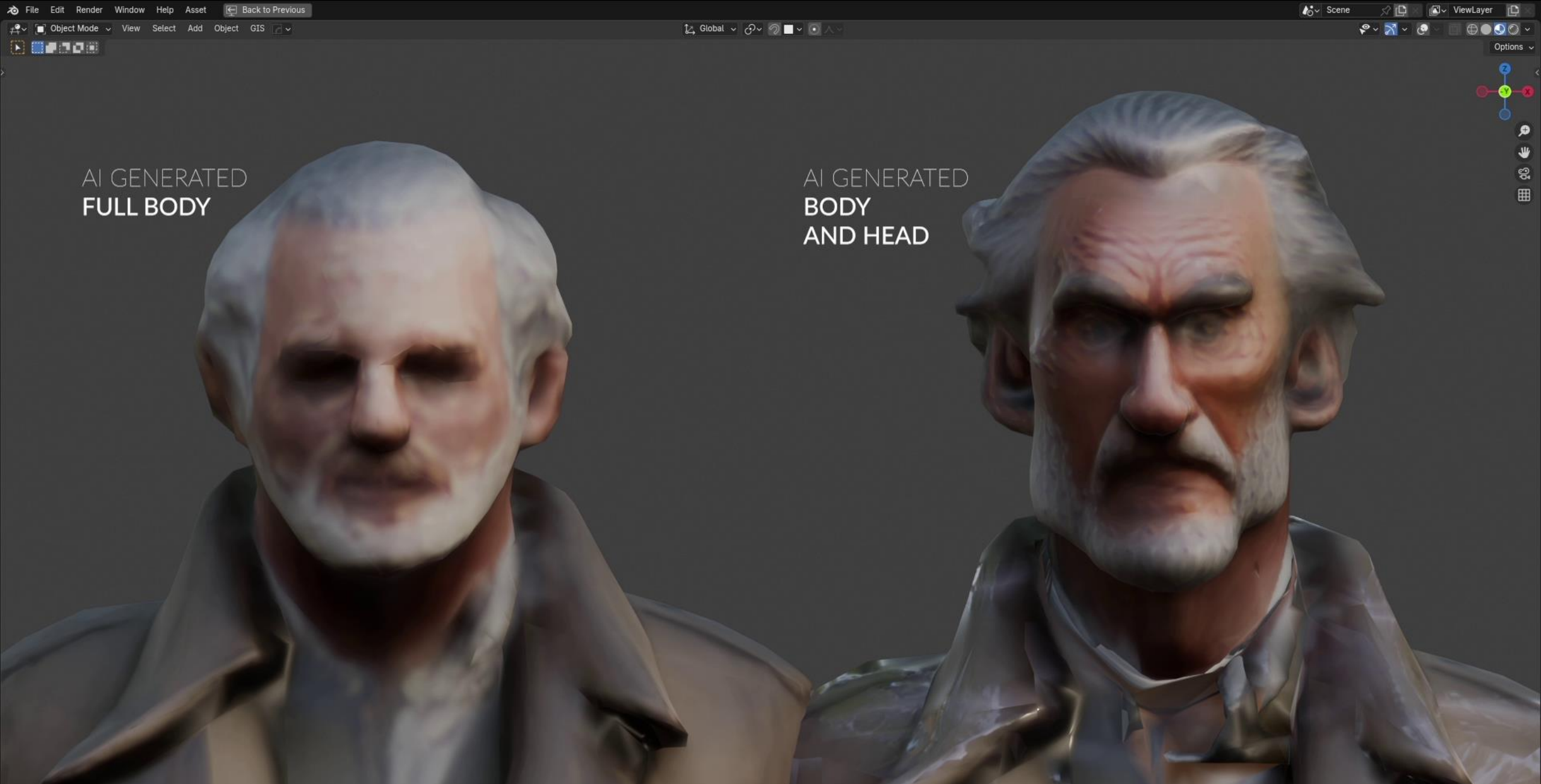
# Post-production

# Final Look & Refinements

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- Regenerated character heads to get more detailed faces for close-ups







# Conclusion & Reflection

Key takeaways from adding AI to my workflow:

- Game-changer, but a learning experience
- Helps a lot, but you have to know how to use it
- It saves time, but can be harder to work with
- Hard to get something specific, so it still requires human's hand
- Good output, but has lack of creativity



AI will be a **powerful tool** in the future with challenges but also opportunities for filmmakers.

SMOKE

# THANK YOU

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TIME FOR Q&A

