# REPORT

# UCS632

# 3-D MODELLING AND ANIMATION

## ASSIGNMENT-5

## CSED,

## TIET, PATIALA

**SUBMITTED TO:**

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**SUBMITTED BY:**

**IBNEET KAUR**

**COE11**

**101703238**

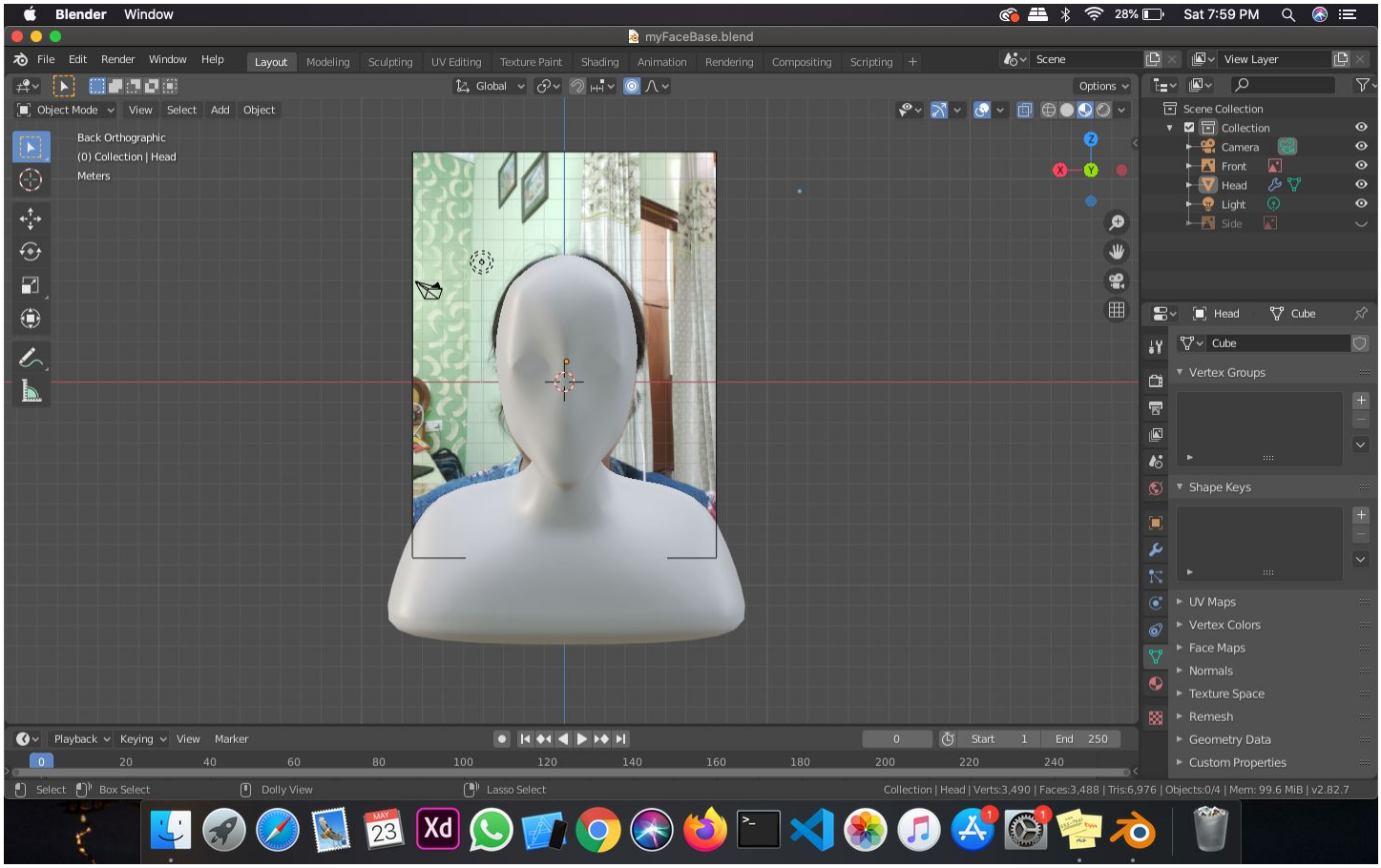
# 3-D Face Modelling

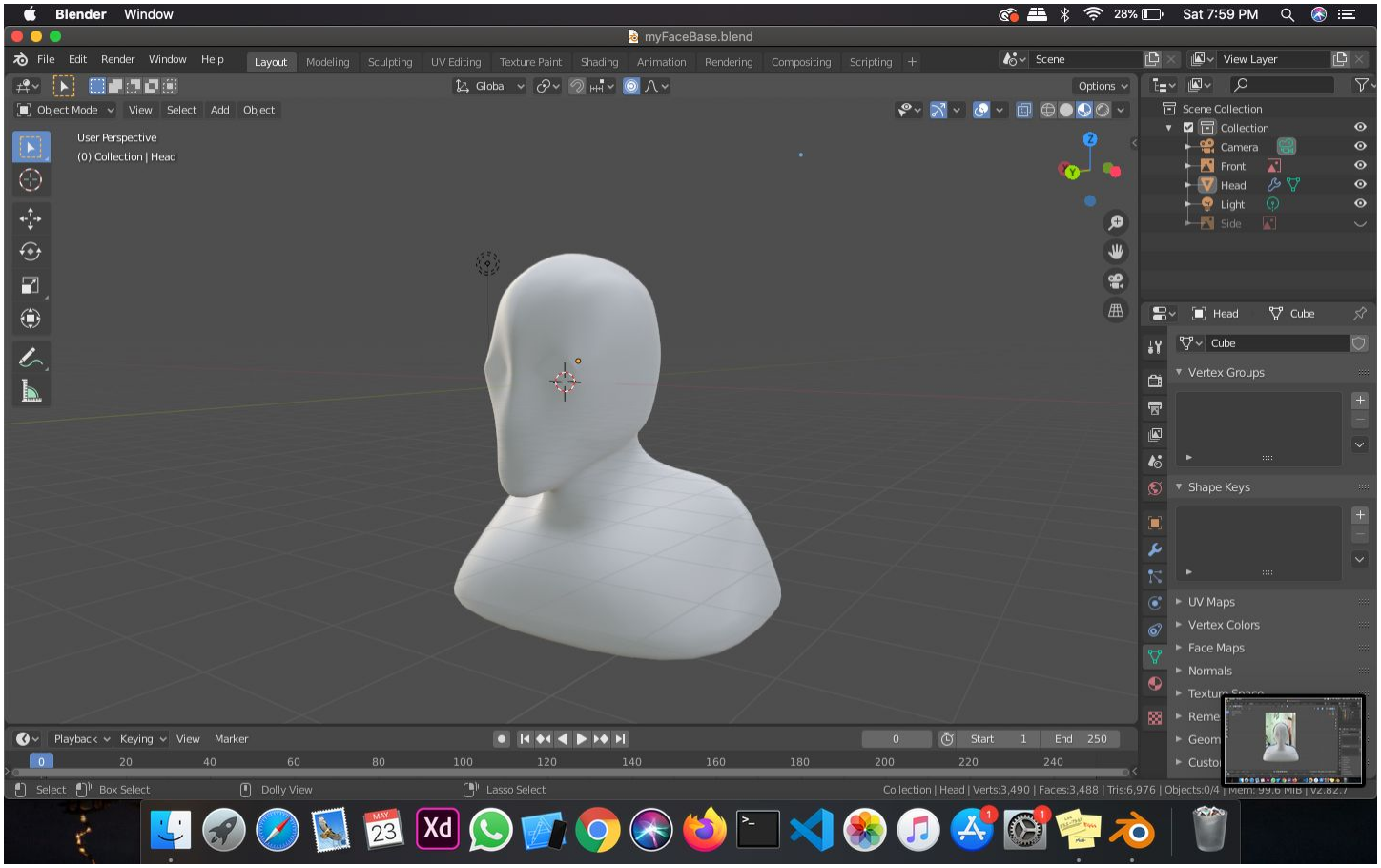
## Implementation:

In this assignment I made a 3-D model of my face using blender. It was the fun 2 weeks journey and here are the steps and in between progress of my model.

## Steps:

- **Designing a base for my model:**




Blender Window
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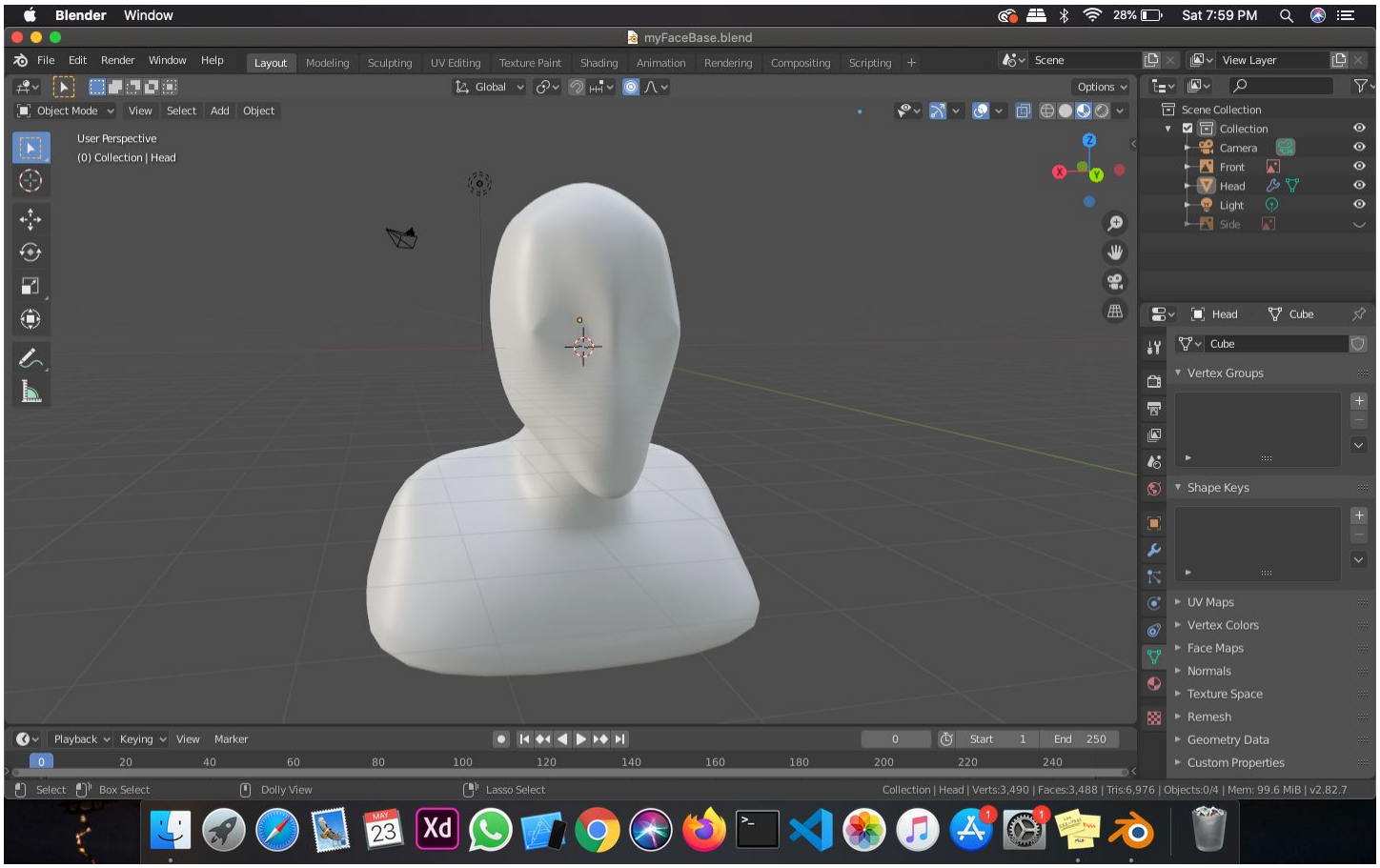
myFaceBase.blend
File Edit Render Window Help
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
Scene
View Layer
Object Mode View Select Add Object
Global
Options
User Perspective
(0) Collection | Head
Scene Collection
Collection
Camera
Front
Head
Light
Side
Head
Cube
Cube
Vertex Groups
Shape Keys
UV Maps
Vertex Colors
Face Maps
Normals
Playback Keying View Marker
Start 1 End 250
Select
Box Select
Dolly View
Lasso Select
Collection | Head | Verts:3,490 | Faces:3,488 | Tris:6,976 | Objects:0/4


Blender Window
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myFaceBase.blend
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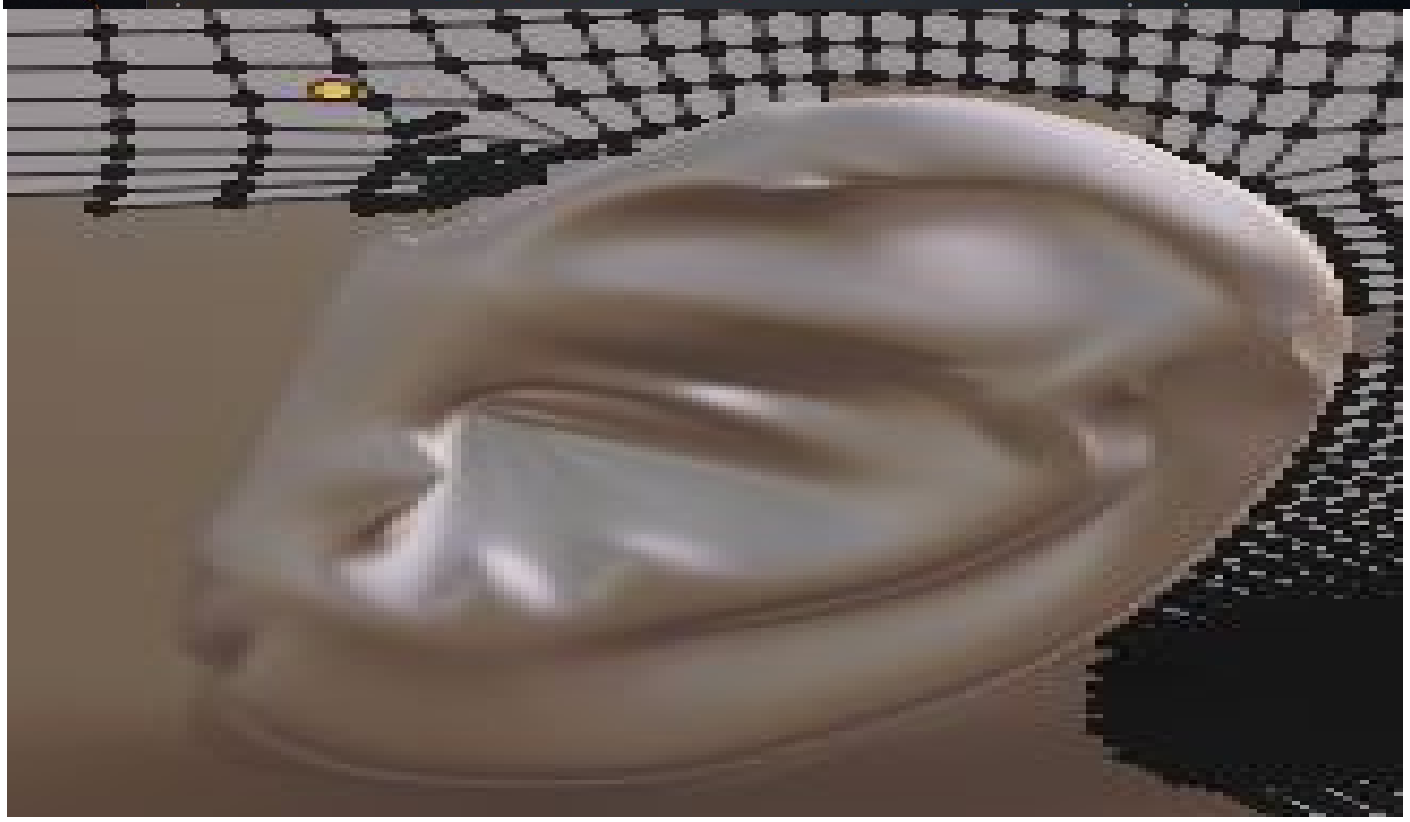
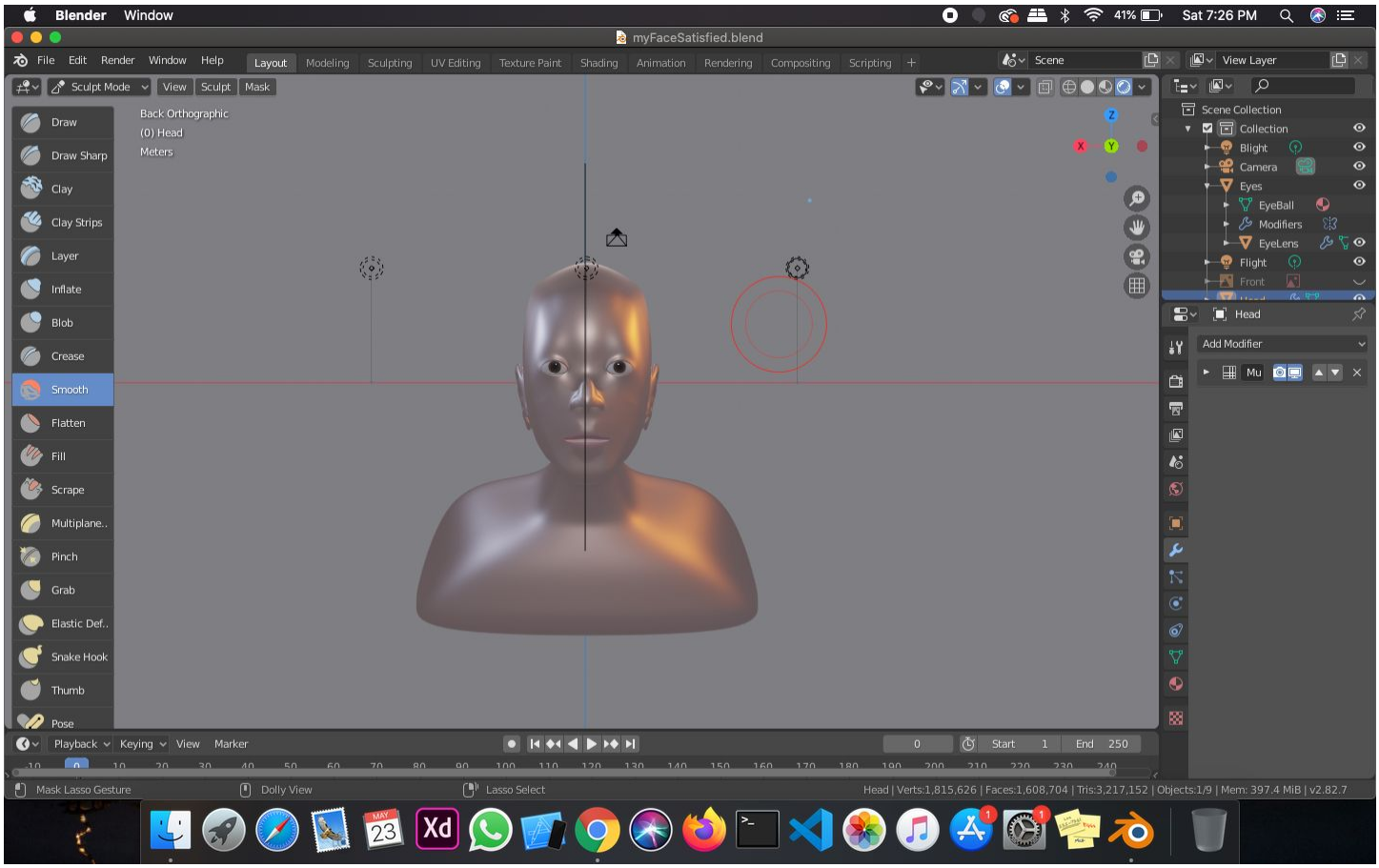
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
Scene
View Layer
Object Mode View Select Add Object
Global
Options
User Perspective
(0) Collection | Head
Scene Collection
Collection
Camera
Front
Head
Light
Side
Head
Cube
Cube
Vertex Groups
Shape Keys
UV Maps
Vertex Colors
Face Maps
Normals
Texture Space
Remesh
Geometry Data
Custom Properties
Playback Keying View Marker
Start 1 End 250
Select
Box Select
Dolly View
Lasso Select
Collection | Head | Verts:3,490 | Faces:3,488 | Tris:6,976 | Objects:0/4 | Mem: 99.6 MiB | v2.82.7

- **Giving it subsurface skin texture, eyes, ears and nose.**

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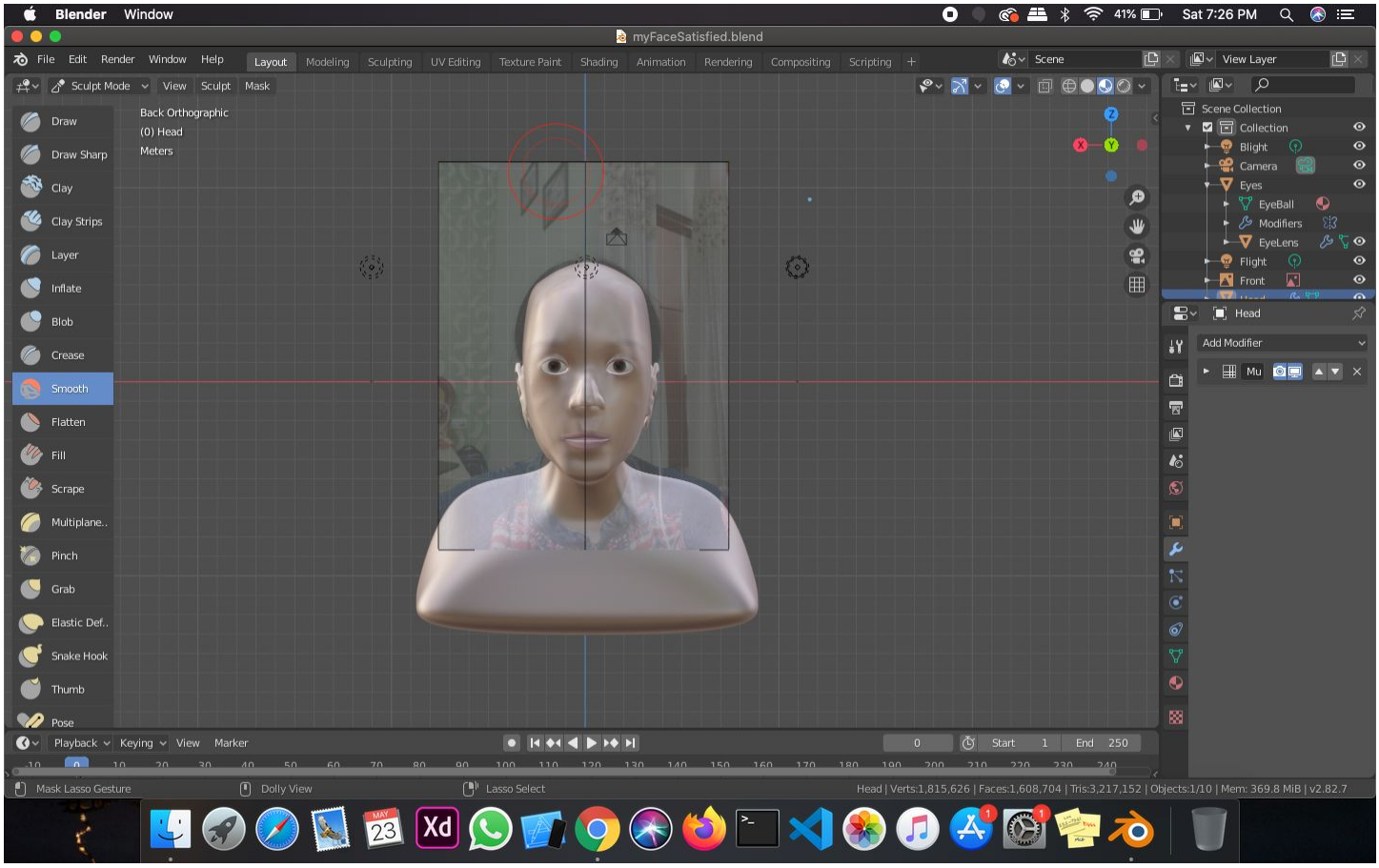
File Edit Render Window Help
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
Scene
View Layer
Sculpt Mode View Sculpt Mask
Back Orthographic
(0) Head
Meters
Draw
Draw Sharp
Clay
Clay Strips
Layer
Inflate
Blob
Crease
Smooth
Flatten
Fill
Scrape
Multiplane..
Pinch
Grab
Elastic Def..
Snake Hook
Thumb
Pose
Scene Collection
Collection
Blight
Camera
Eyes
EyeBall
Modifiers
EyeLens
Flight
Front
Head
Add Modifier
Playback Keying View Marker
Start 1 End 250
Mask Lasso Gesture
Dolly View
Lasso Select
Head | Verts:1,815,626 | Faces:1,608,704 | Tris:3,217,152 | Objects:1/9 | Mem: 397.4 MiB | v2.82.7


Blender Window
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myFaceSatisfied.blend
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Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
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Multiplane..
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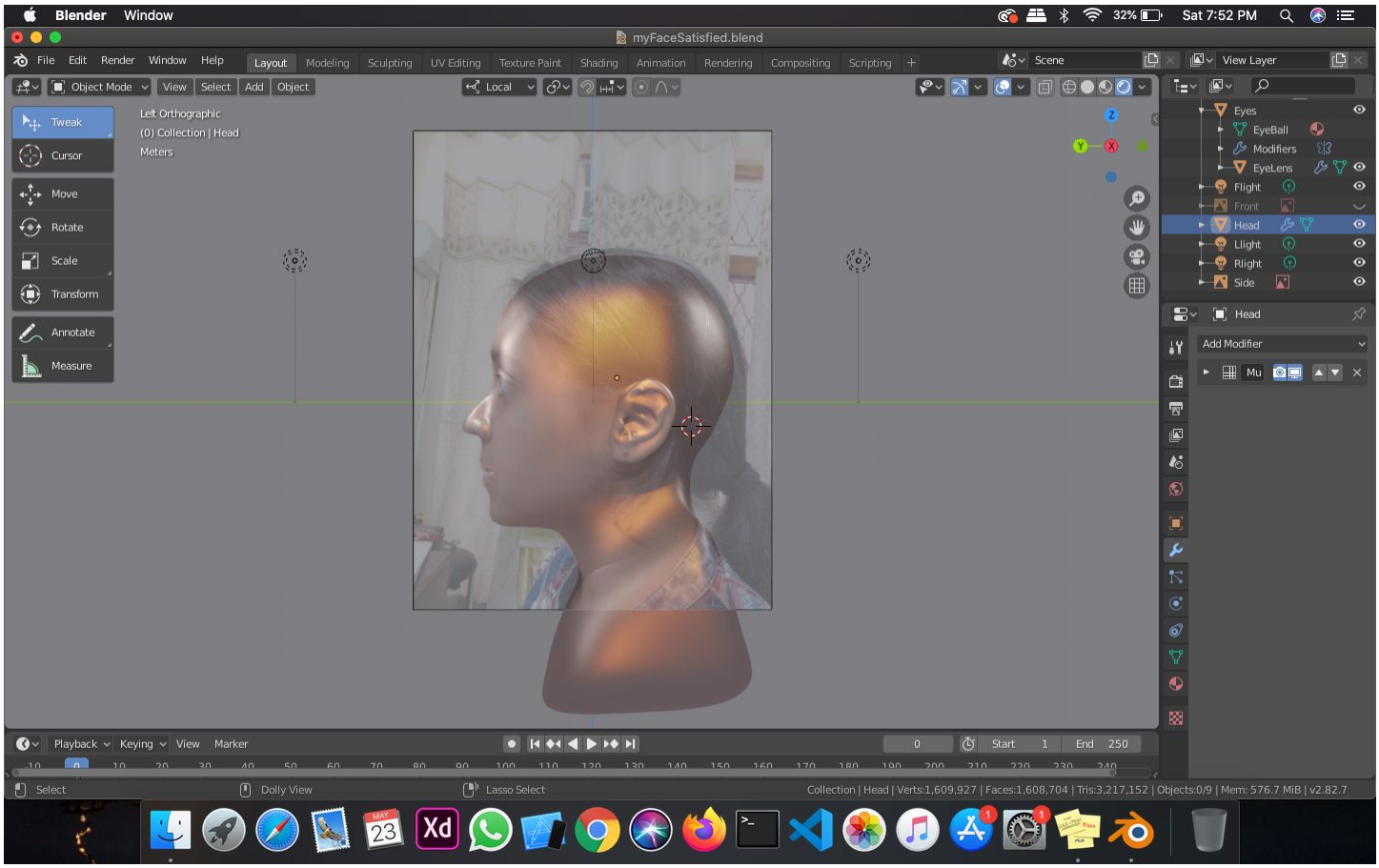
Snake Hook
Thumb
Pose
Scene Collection
Collection
Blight
Camera
Eyes
EyeBall
Modifiers
EyeLens
Flight
Front
Head
Add Modifier
Playback Keying View Marker
Start 1 End 250
Mask Lasso Gesture
Dolly View
Lasso Select
Head | Verts:1,815,626 | Faces:1,608,704 | Tris:3,217,152 | Objects:1/10 | Mem: 369.8 MiB | v2.82.7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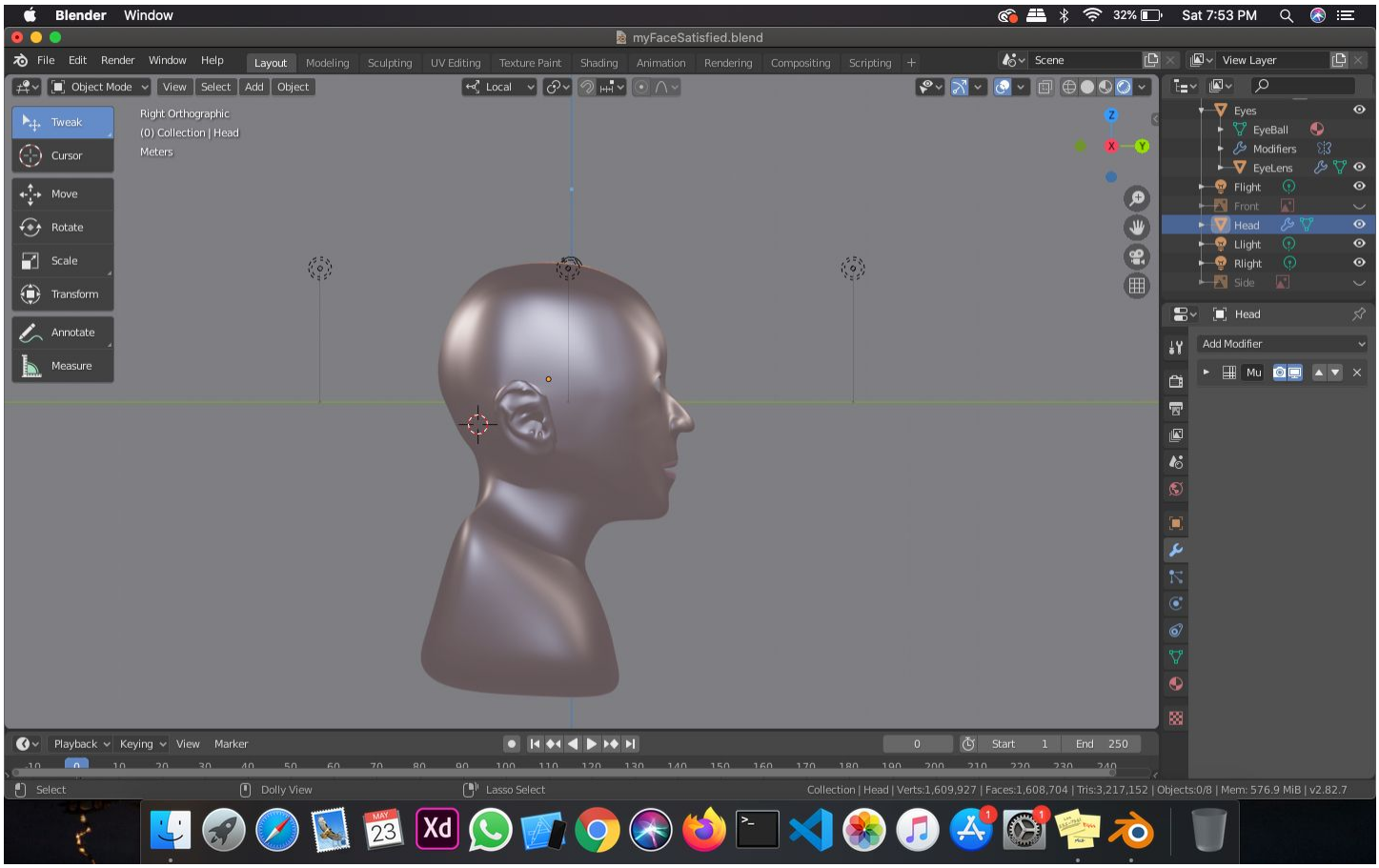
myFaceSatisfied.blend
File Edit Render Window Help
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
Scene
View Layer
Object Mode View Select Add Object
Local
Tweak
Cursor
Move
Rotate
Scale
Transform
Annotate
Measure
Left Orthographic
(0) Collection | Head
Meters
Eyes
EyeBall
Modifiers
EyeLens
Flight
Front
Head
Llight
Rlight
Side
Add Modifier
Playback Keying View Marker
Start 1 End 250
Select
Dolly View
Lasso Select
Collection | Head | Verts:1,609,927 | Faces:1,608,704 | Tris:3,217,152 | Objects:0/9 | Mem: 576.7 MiB | v2.82.7


Blender Window
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myFaceSatisfied.blend
File Edit Render Window Help
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
Scene
View Layer
Object Mode View Select Add Object
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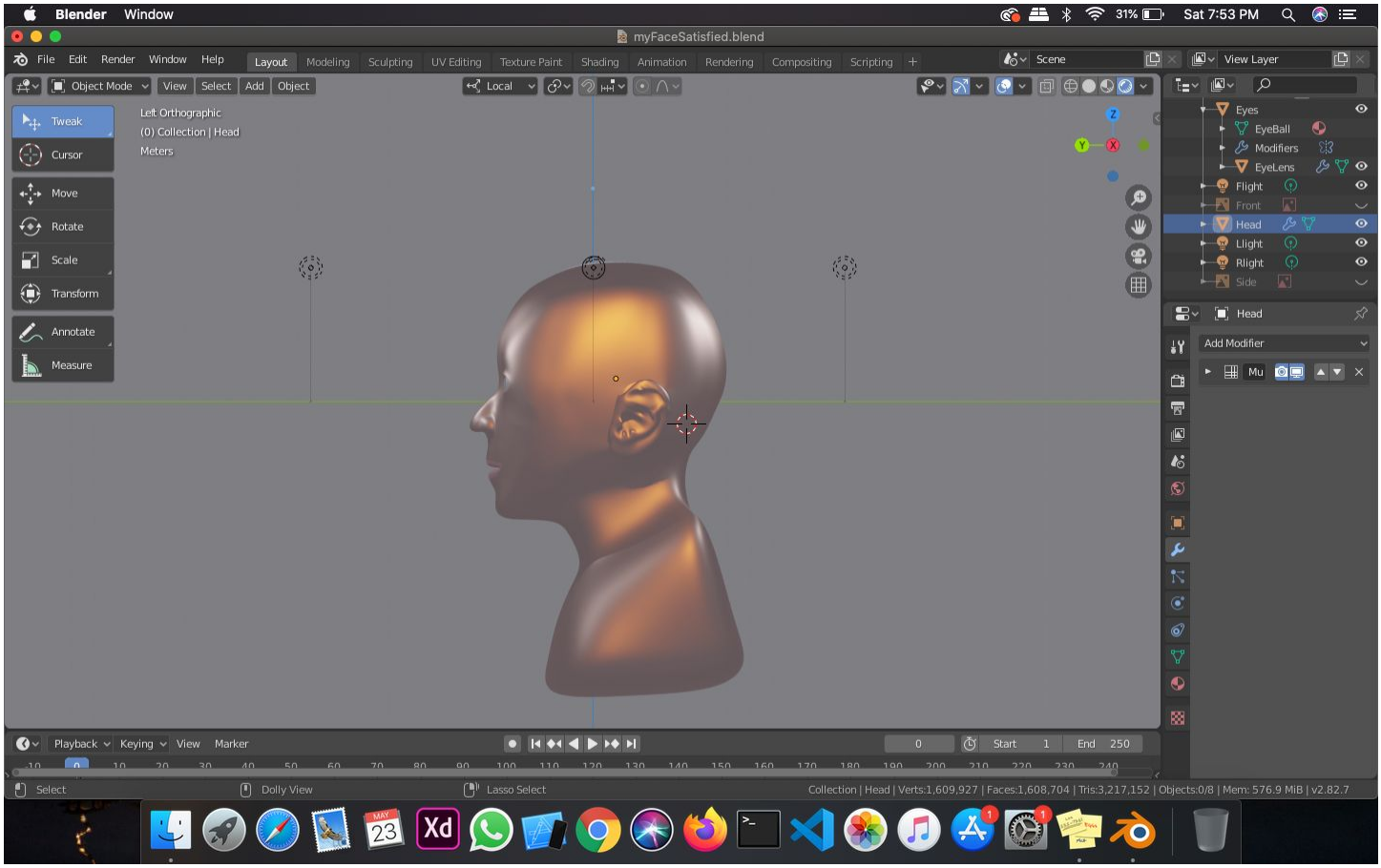
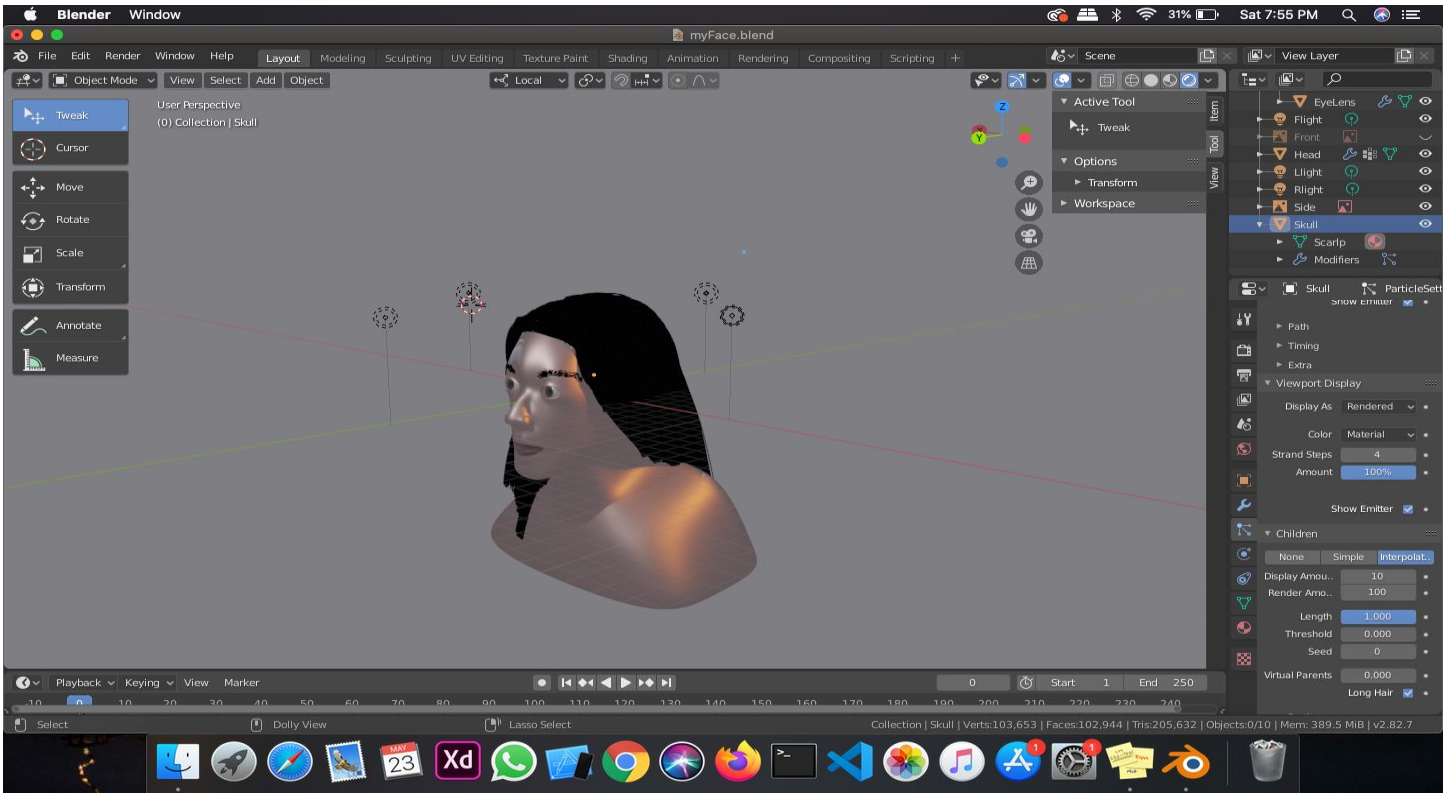
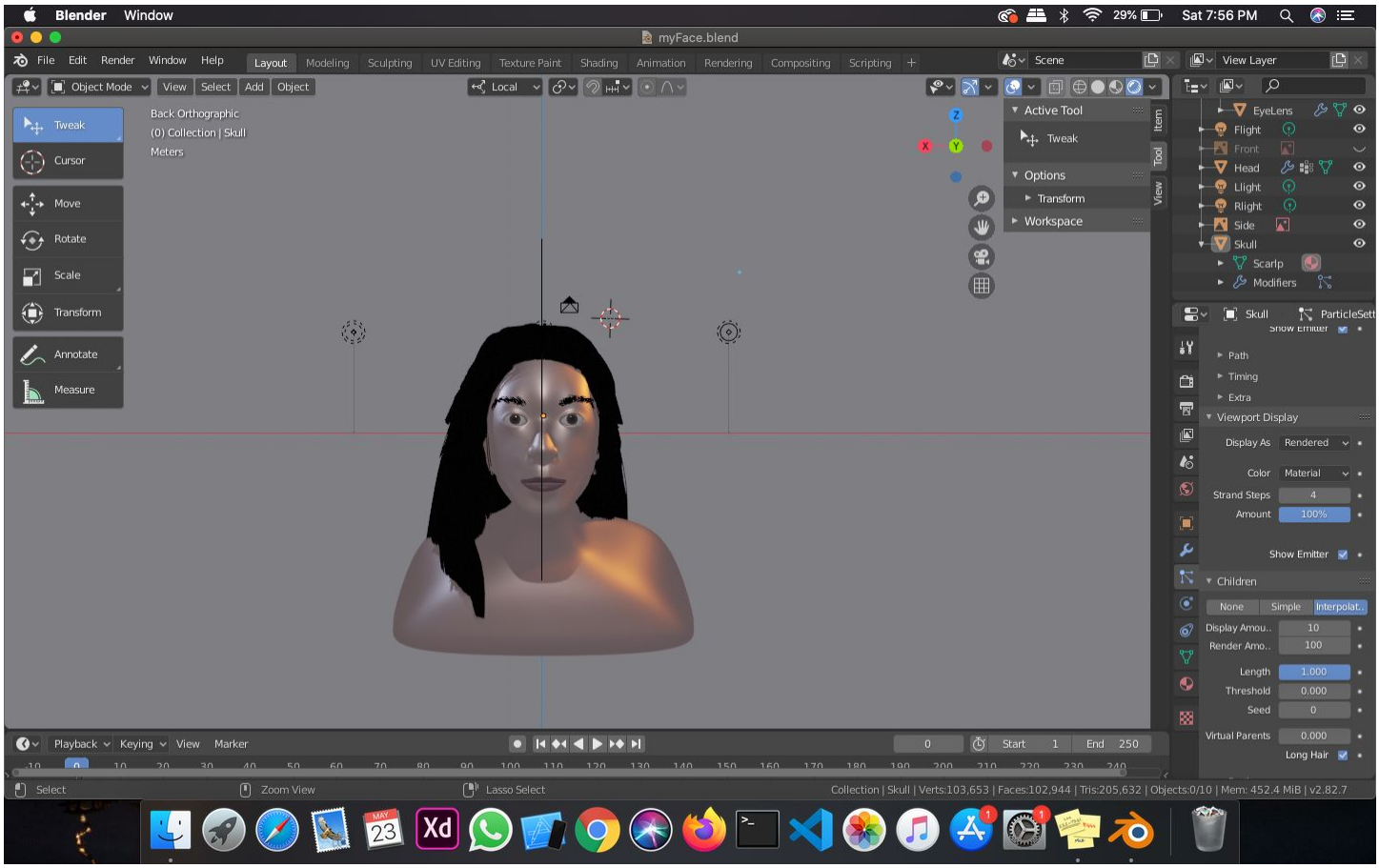
Right Orthographic
(0) Collection | Head
Meters
Eyes
EyeBall
Modifiers
EyeLens
Flight
Front
Head
Llight
Rlight
Side
Add Modifier
Playback Keying View Marker
Start 1 End 250
Select
Dolly View
Lasso Select
Collection | Head | Verts:1,609,927 | Faces:1,608,704 | Tris:3,217,152 | Objects:0/8 | Mem: 576.9 MiB | v2.82.7




- **Giving it hairs.**




Blender Window
Sat 7:56 PM
myFace.blend
File Edit Render Window Help
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
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View Layer
Object Mode View Select Add Object
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Back Orthographic
(0) Collection | Skull
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Rotate
Scale
Transform
Annotate
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Active Tool
Options
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ScarIp
Modifiers
Path
Timing
Extra
Viewport Display
Display As Rendered
Color Material
Strand Steps 4
Amount 100%
Show Emitter
Children
None Simple Interpolat..
Display Amou.. 10
Render Amo.. 100
Length 1.000
Threshold 0.000
Seed 0
Virtual Parents 0.000
Long Hair
Playback Keying View Marker
Start 1 End 250
Select Zoom View Lasso Select
Collection | Skull | Verts:103,653 | Faces:102,944 | Tris:205,632 | Objects:0/10 | Mem: 452.4 MiB | v2.82.7

Blender Window
Sat 7:57 PM
myFace.blend
File Edit Render Window Help
Layout Modeling Sculpting UV Editing Texture Paint Shading Animation Rendering Compositing Scripting
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(0) Skull
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Measure
Extrude Reg..
Inset Faces
Bevel
Loop Cut
Knife
Poly Build
Spin
Smooth
Edge Slide
Active Tool
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Color Material
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Amount 100%
Show Emitter
Children
None Simple Interpolat..
Display Amou.. 10
Render Amo.. 100
Length 1.000
Threshold 0.000
Seed 0
Virtual Parents 0.000
Long Hair
Playback Keying View Marker
Start 1 End 250
Pick Shortest Path Box Select Dolly View Duplicate or Extrude to Cursor Lasso Select
Skull | Verts:0/7,969 | Edges:0/15,588 | Faces:0/7,622 | Tris:15,244 | Mem: 270.9 MiB | v2.82.7

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myFace.blend
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Bevel
Loop Cut
Knife
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Display Amou.. 10
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Length 1.000
Threshold 0.000
Seed 0
Virtual Parents 0.000
Long Hair
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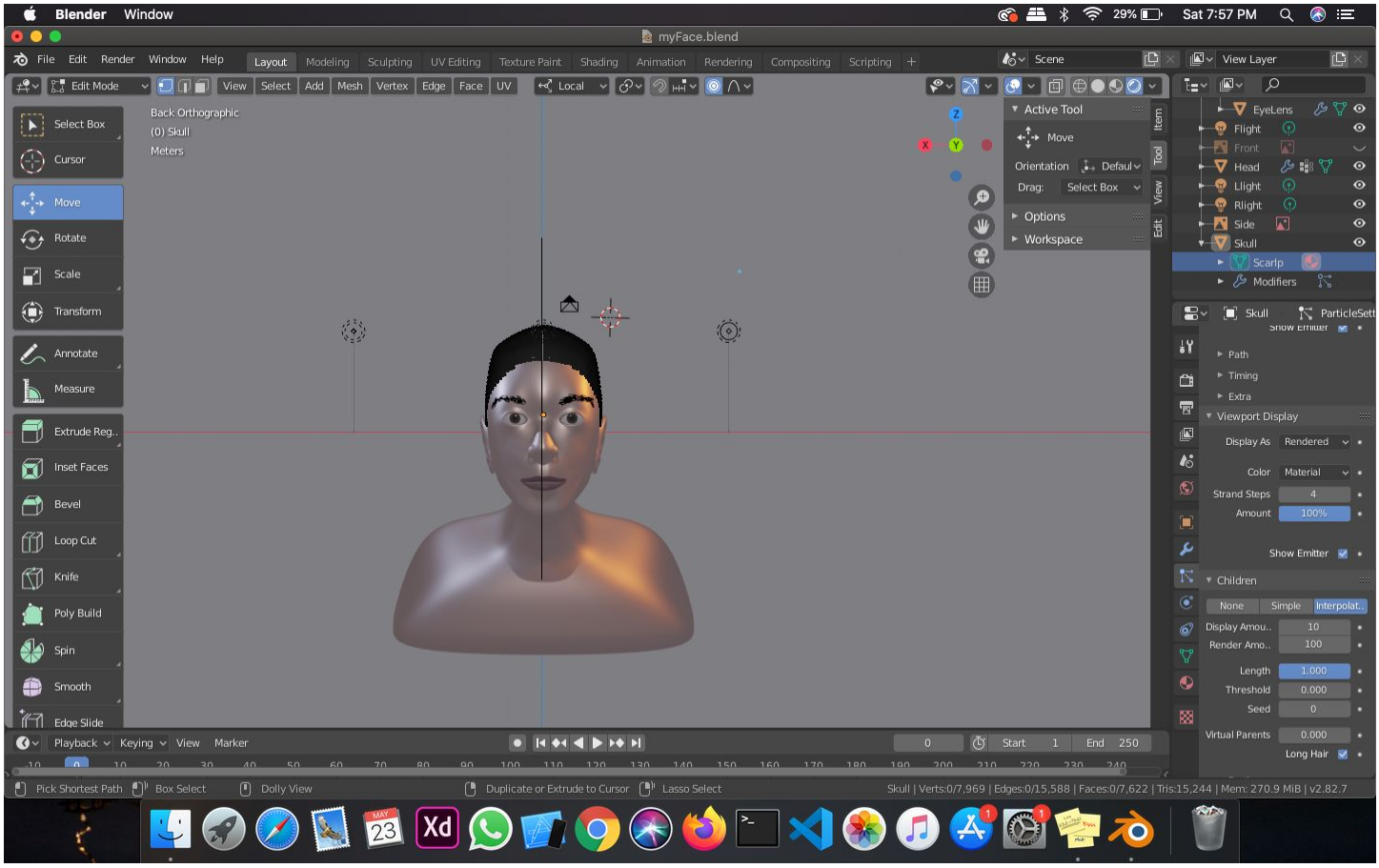
Start 1 End 250
Pick Shortest Path
Box Select
Dolly View
Duplicate or Extrude to Cursor
Lasso Select
Skull | Verts:0/7,969 | Edges:0/15,588 | Faces:0/7,622 | Tris:15,244 | Mem: 270.9 MiB | v2.82.7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Extrude Reg..
Inset Faces
Bevel
Loop Cut
Knife
Poly Build
Spin
Smooth
Edge Slide
Back Orthographic
(0) Skull
Meters
Active Tool
Move
Orientation Defaul
Drag: Select Box
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Workspace
EyeLens
Flight
Front
Head
Llight
Rlight
Side
Skull
Scarlp
Modifiers
Skull
ParticleSett
Path
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Display As Rendered
Color Material
Strand Steps 4
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Children
None Simple Interpolat..
Display Amou.. 10
Render Amo.. 100
Length 1.000
Threshold 0.000
Seed 0
Virtual Parents 0.000
Long Hair
Playback Keying View Marker
Start 1 End 250
Pick Shortest Path
Box Select
Dolly View
Duplicate or Extrude to Cursor
Lasso Select
Skull | Verts:0/7,969 | Edges:0/15,588 | Faces:0/7,622 | Tris:15,244 | Mem: 270.9 MiB | v2.82.7