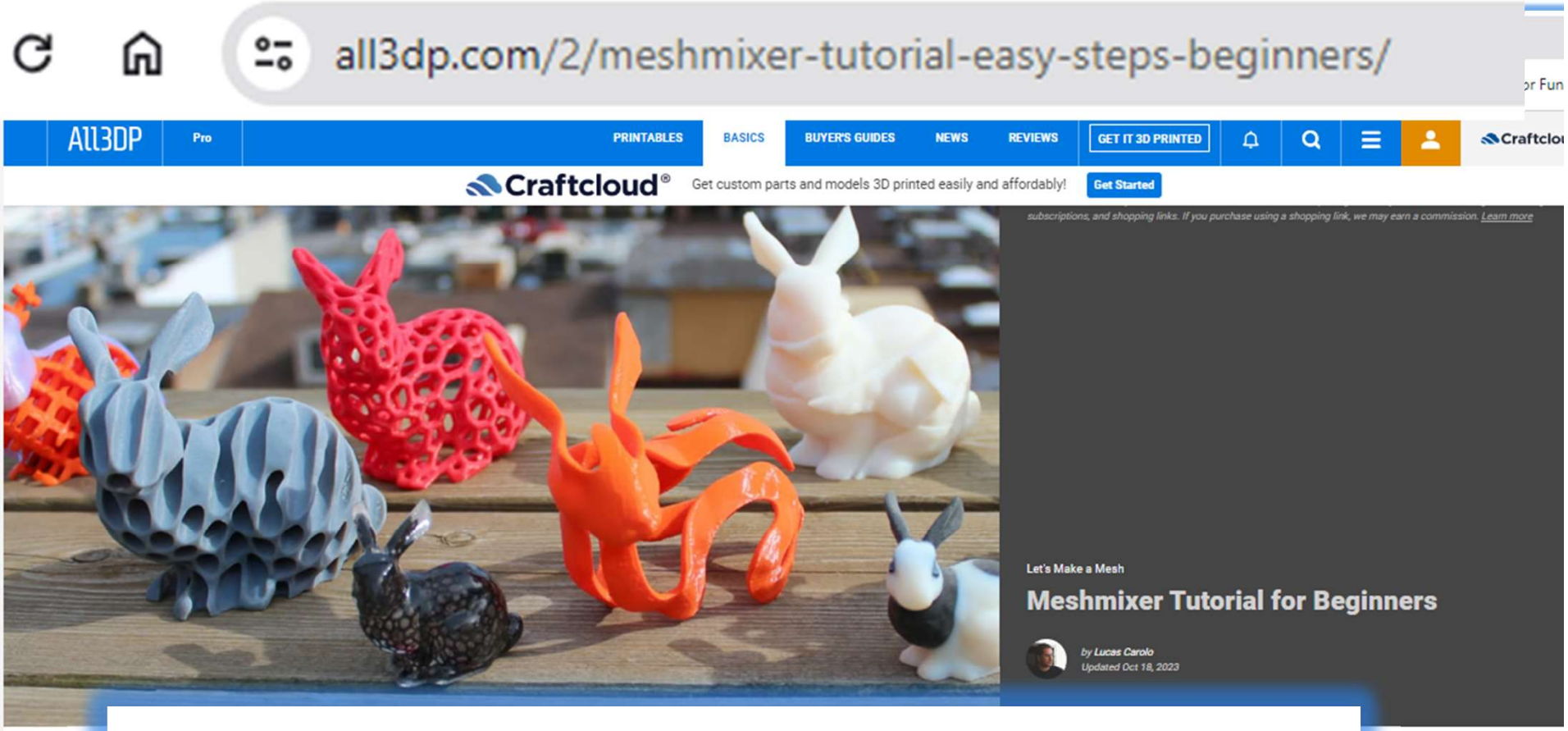
ENDER ALUMNI *WORKFLOW*

MeshMixer

March 2024

Bruce and Ted Unmeshed

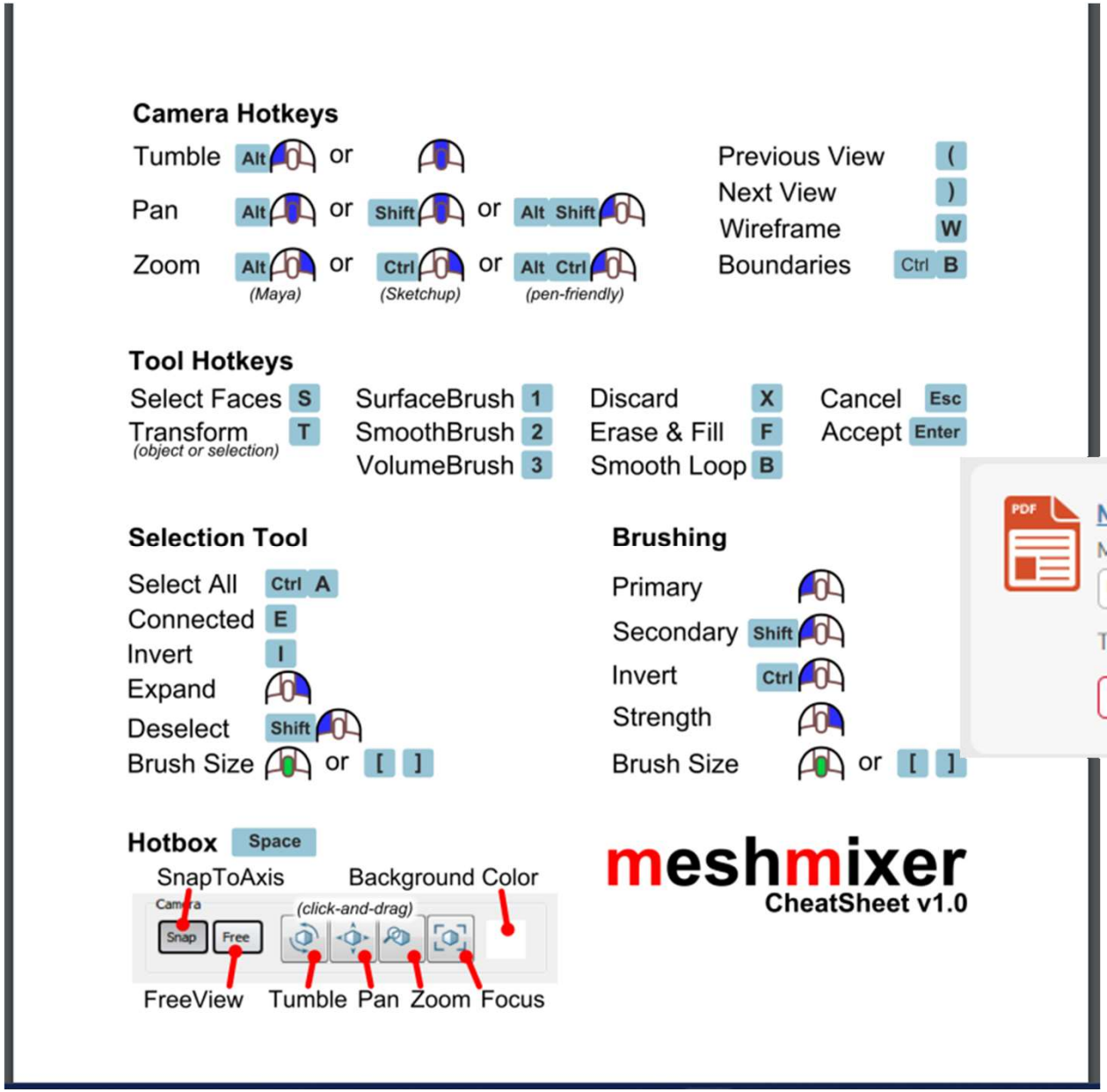
Resource 1-All3dp: Step-by-step guide



ENDER ALUMNI

WORKFLOW MeshMixer

Resource 2 - Meshmixer Documentation



From Manual Uploaded to the E3club file share

Resource 3 - Formlabs

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GUIDES

Meshmixer Tutorial: 15 Top Tips to Edit STL Files for 3D Printing

3D Printing Guides 17 minutes read

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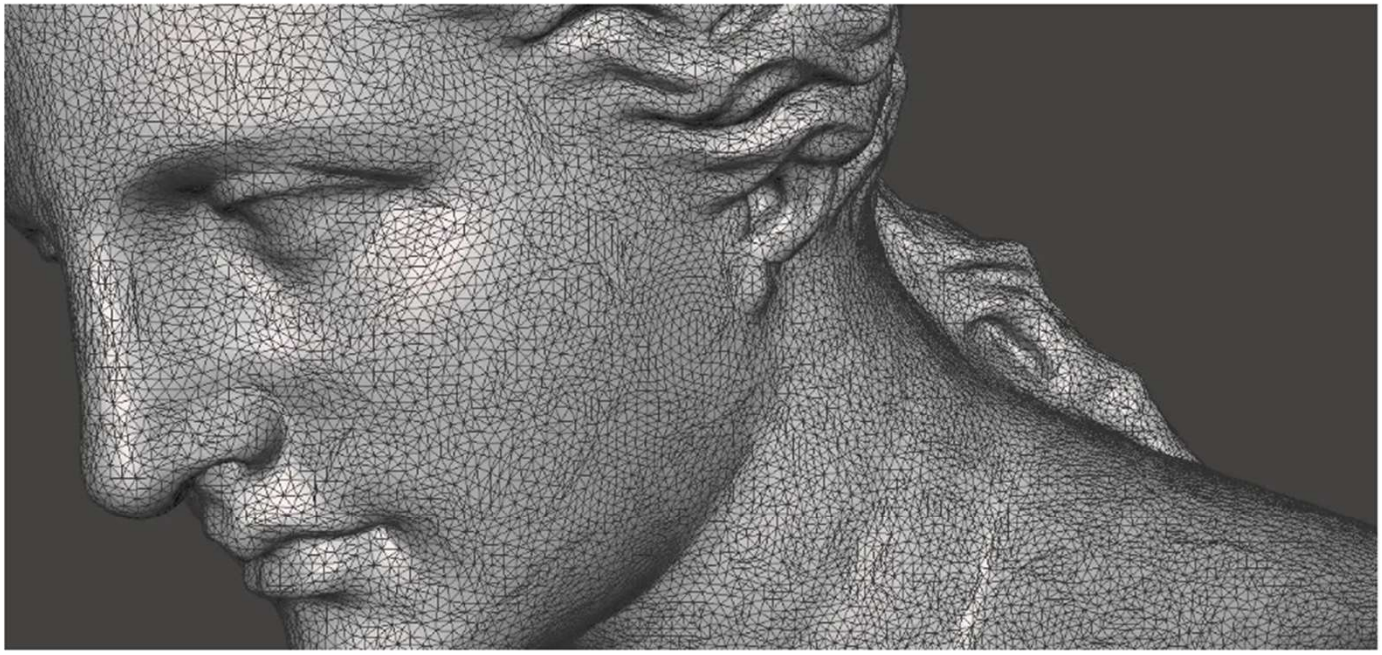
Get Started With Professional 3D Printing

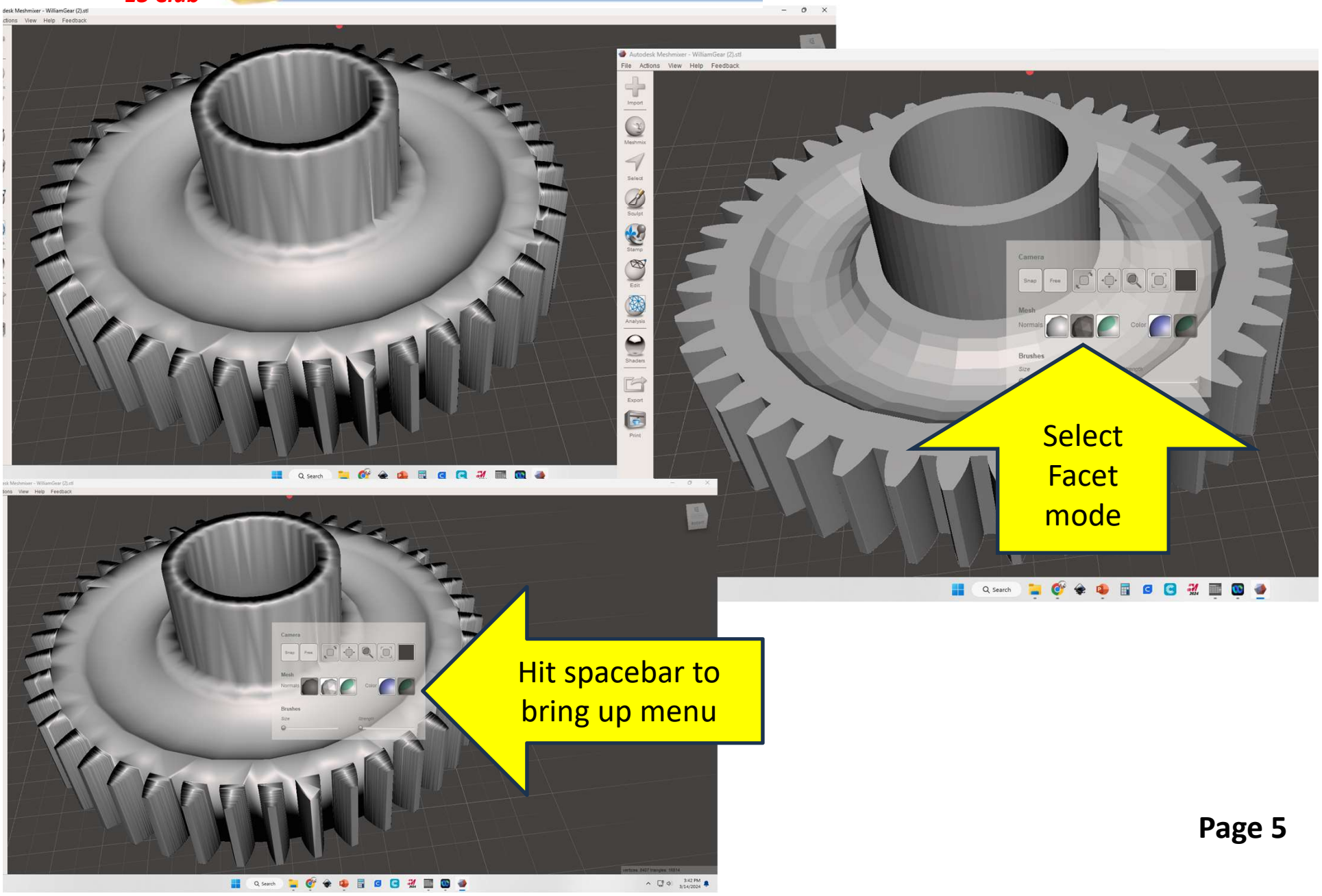


Before 3D printing a part, designers and engineers often need to adapt, optimize, finalize, and edit 3D models. Autodesk's Meshmixer is a state-of-the-art software for working with triangle meshes or, as its developers like to call it, the "Swiss Army Knife" for editing STL files and 3D meshes.

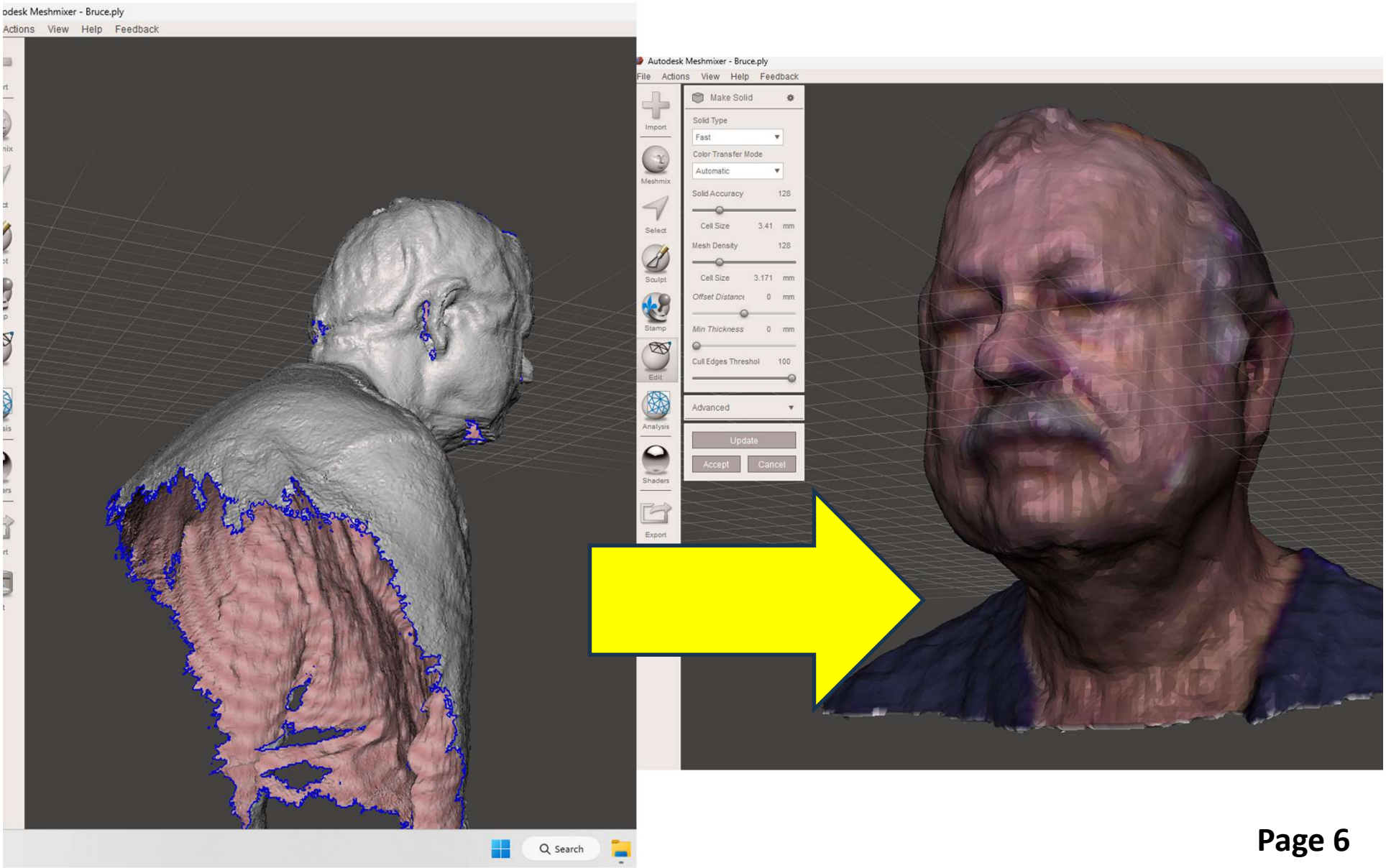
With Meshmixer, it's not only possible to optimize a triangle mesh but also to resculpt entire sections, stylize the model, or add useful features to it.

And the best news? Downloading MeshMixer is completely free.

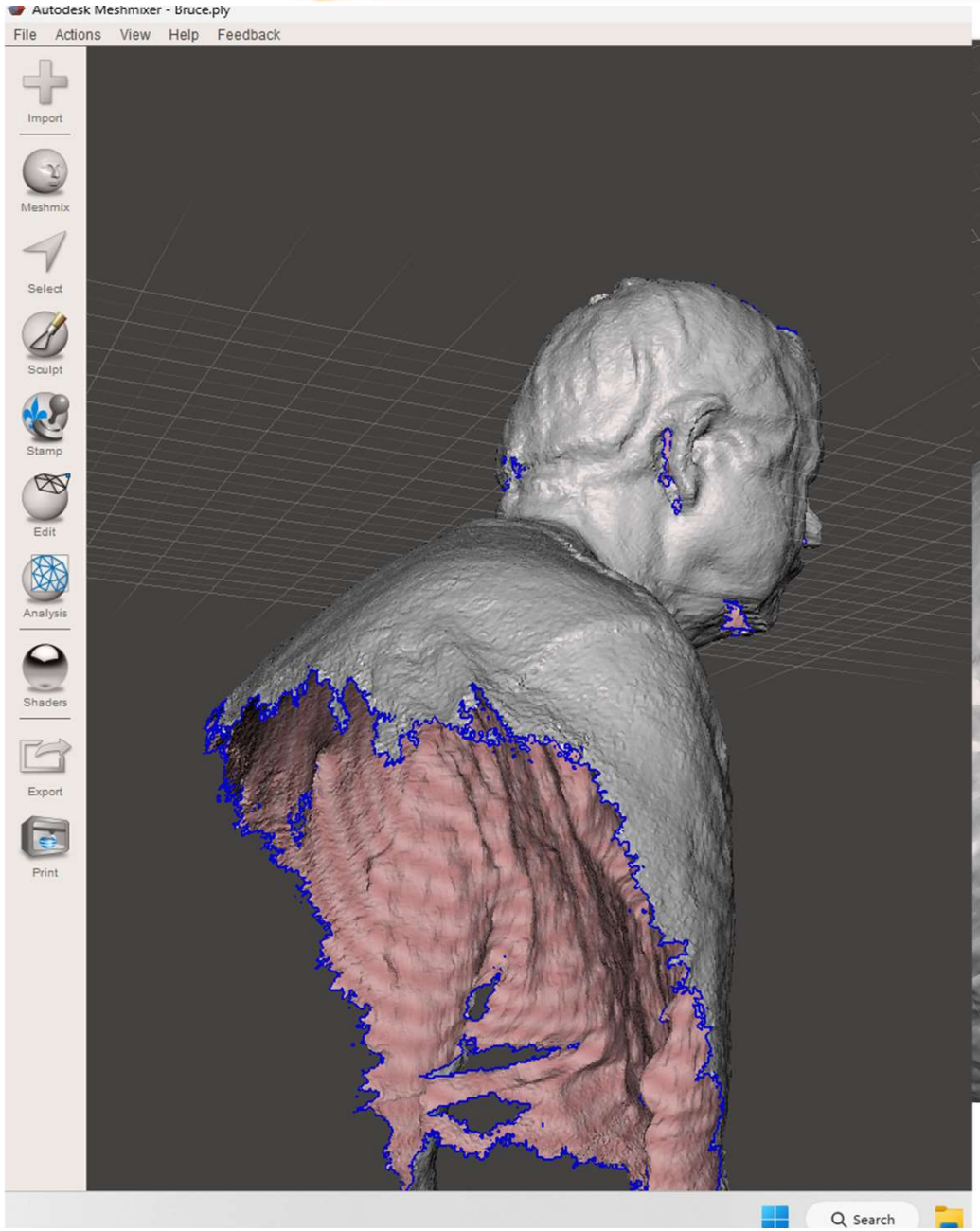
Rendering mode

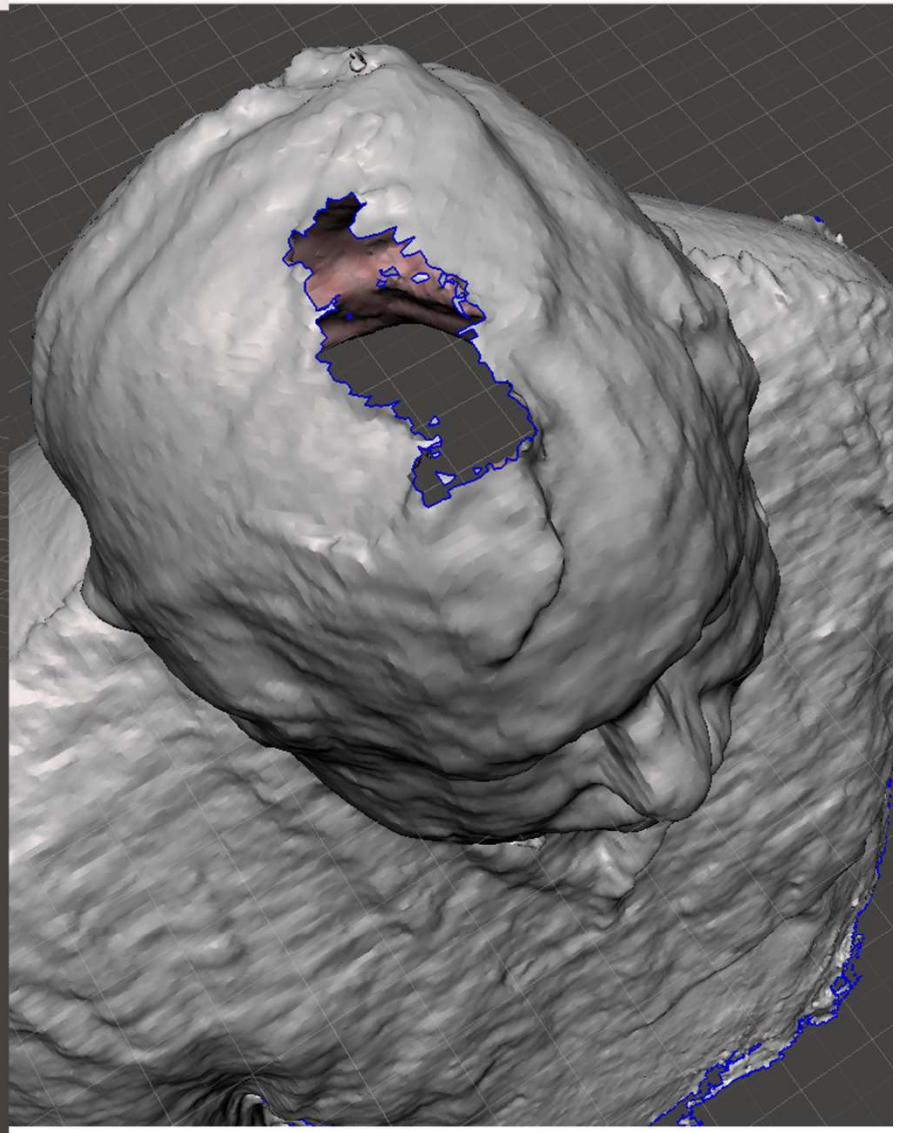


Scan fixing Demo



Import, Note uncomplete and holes





CBI MAKER SPACE

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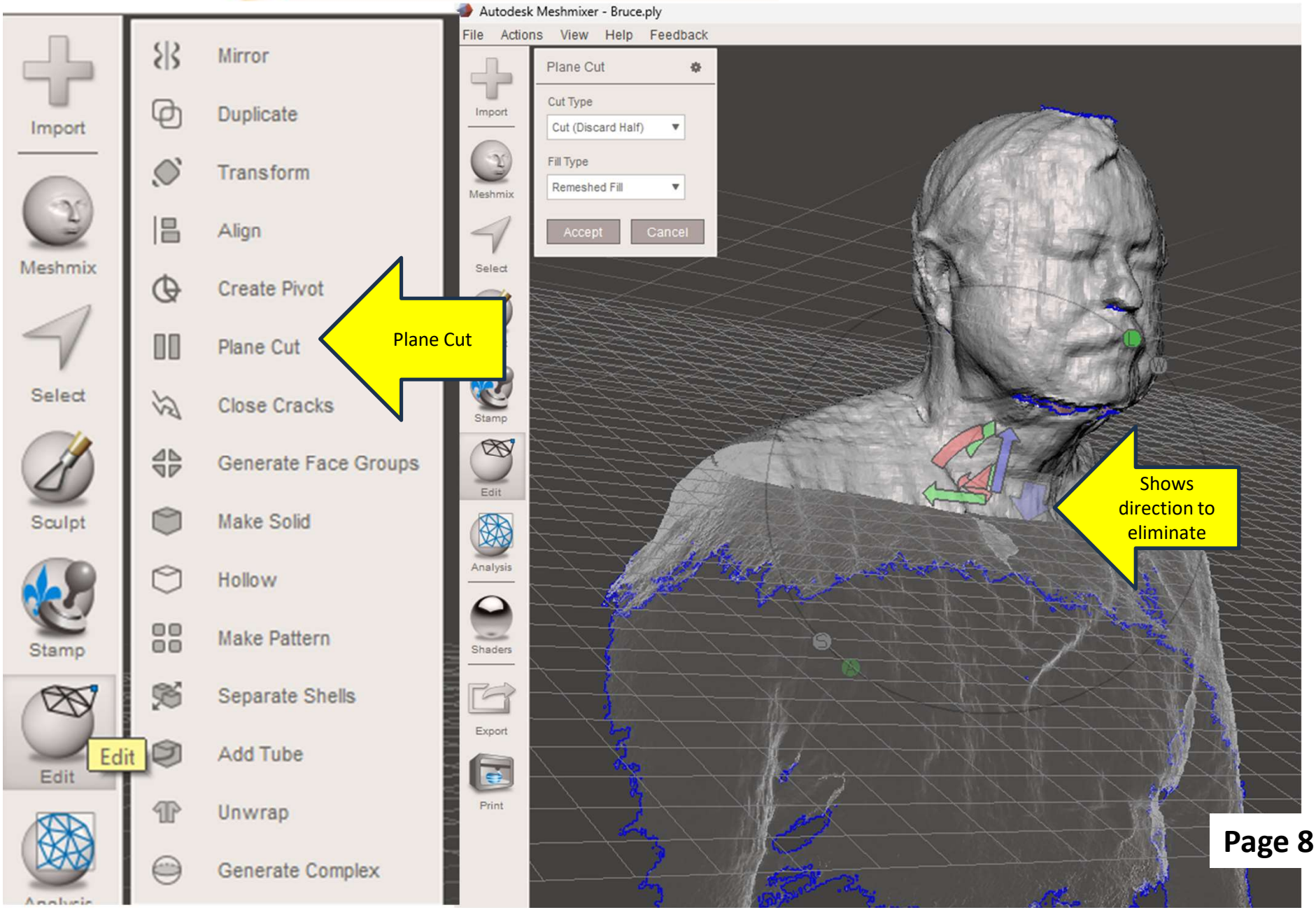
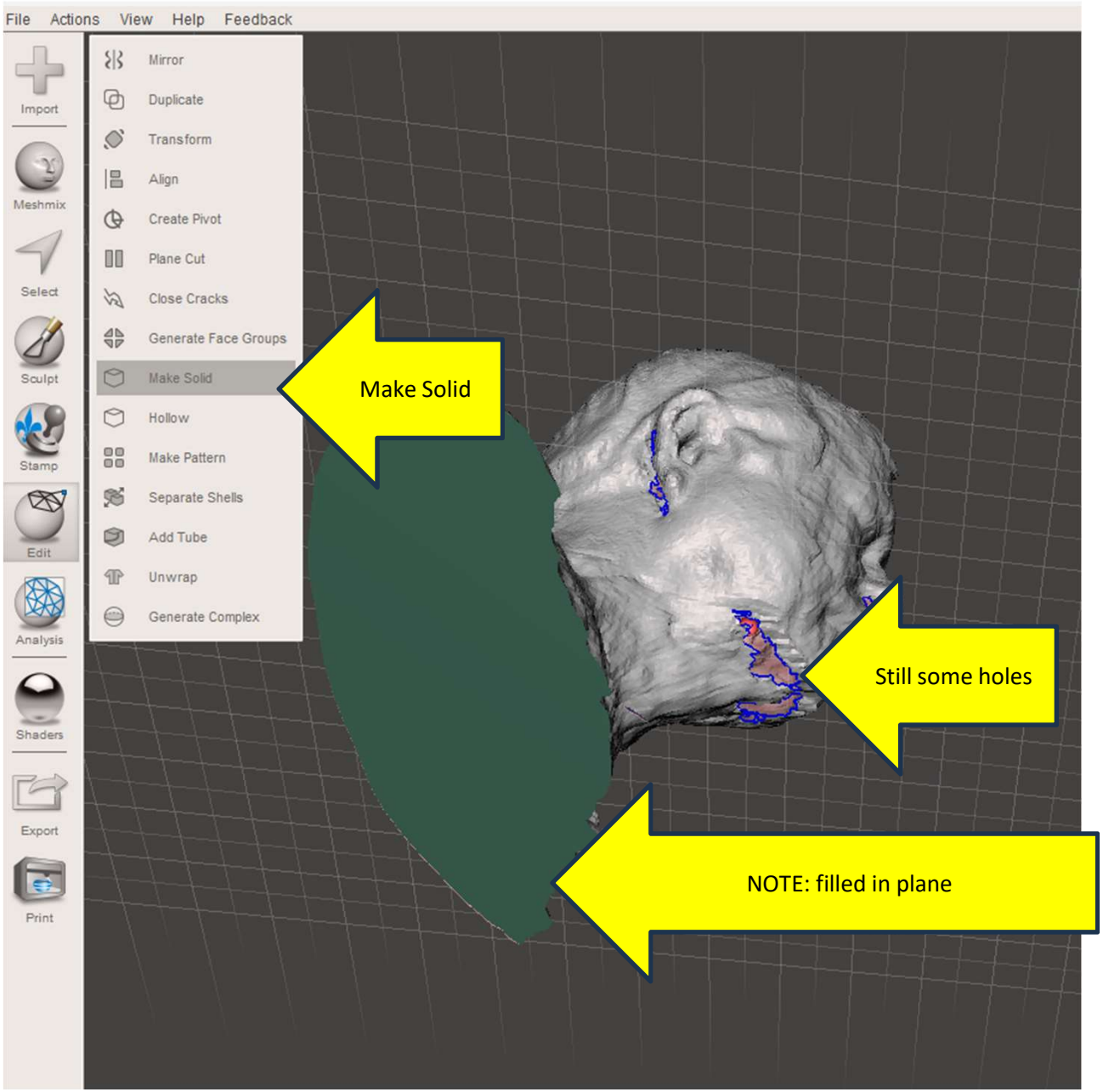
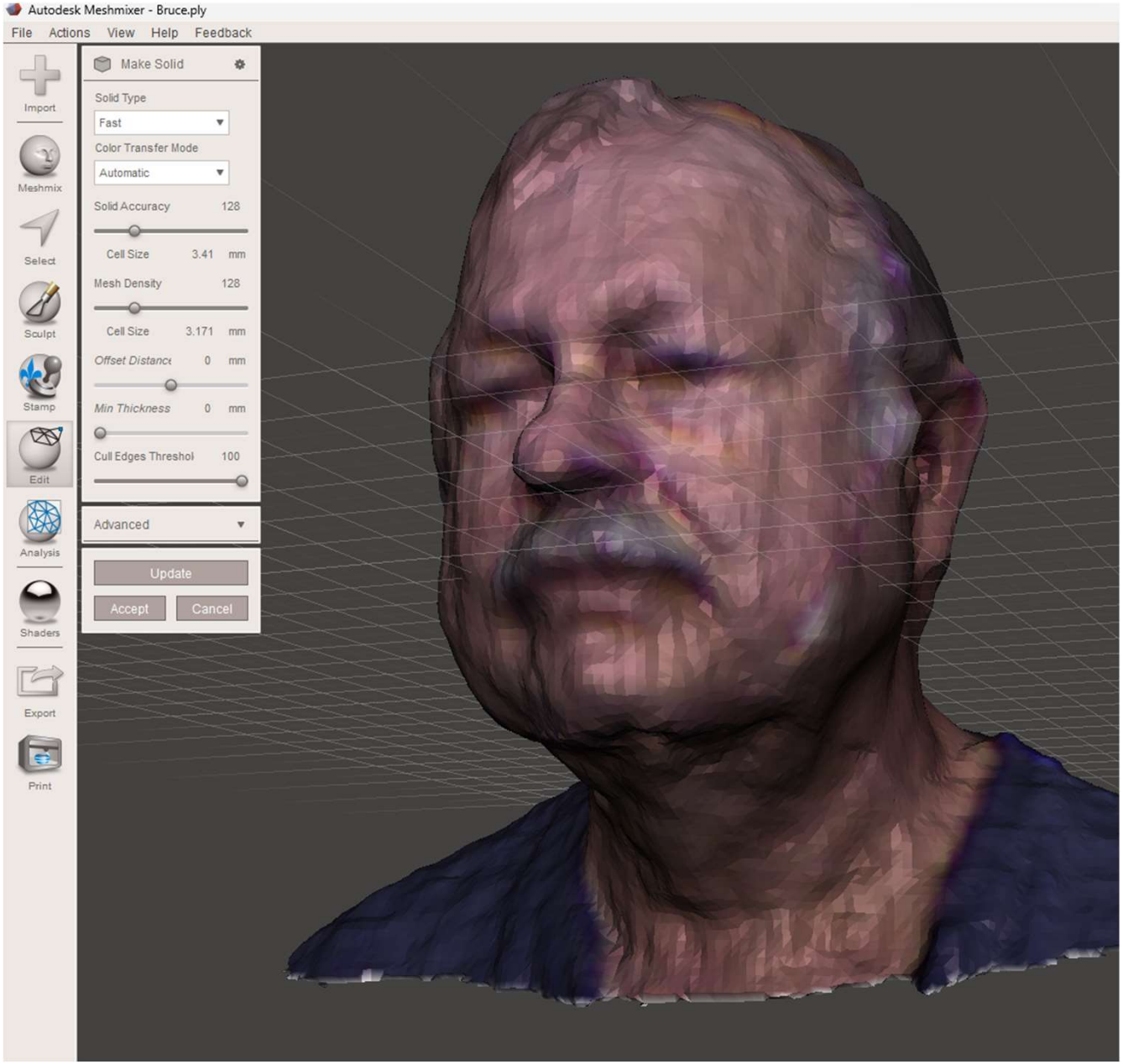
Edit/Plane Cut



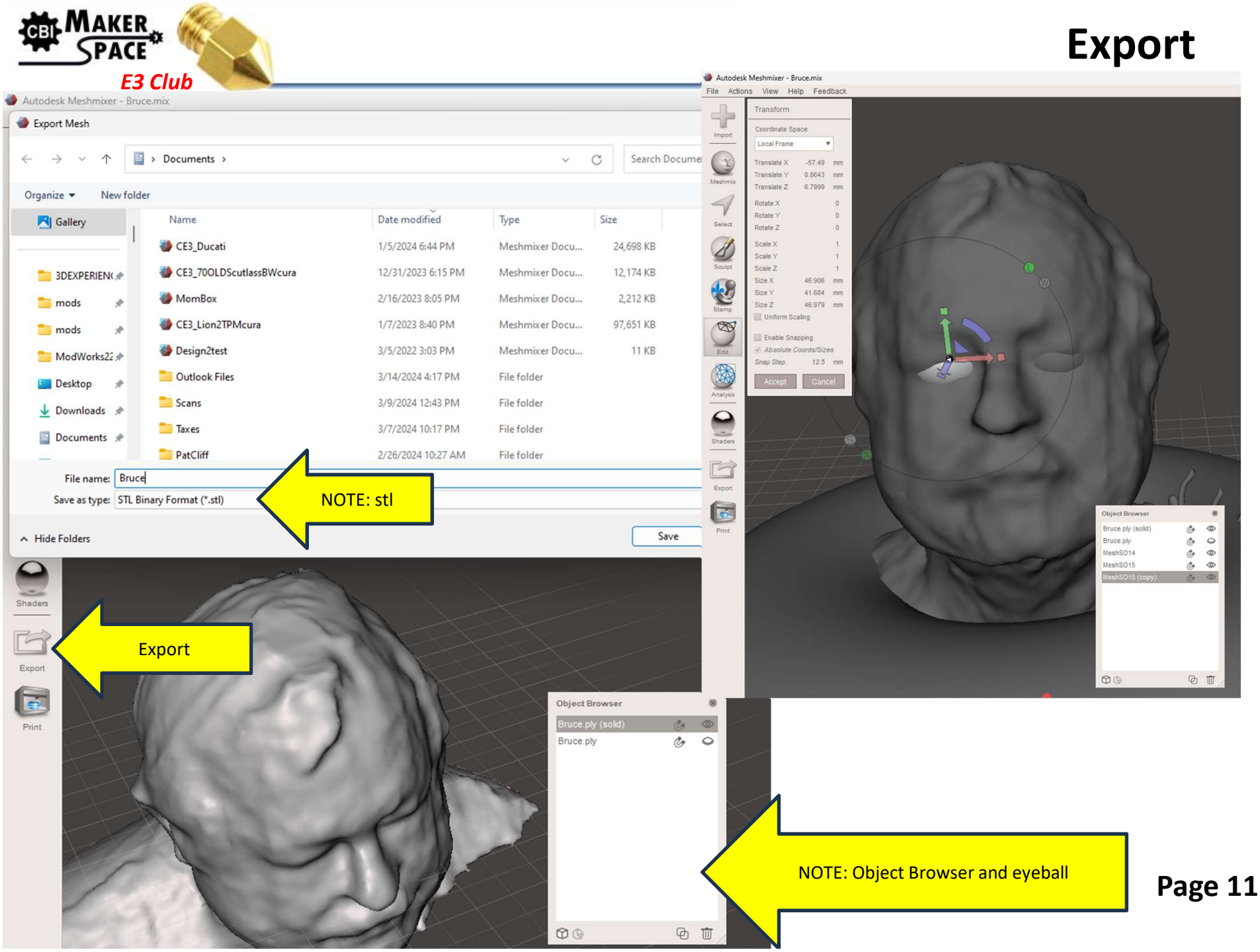
Edit/Make Solid



Set parameters/Accept

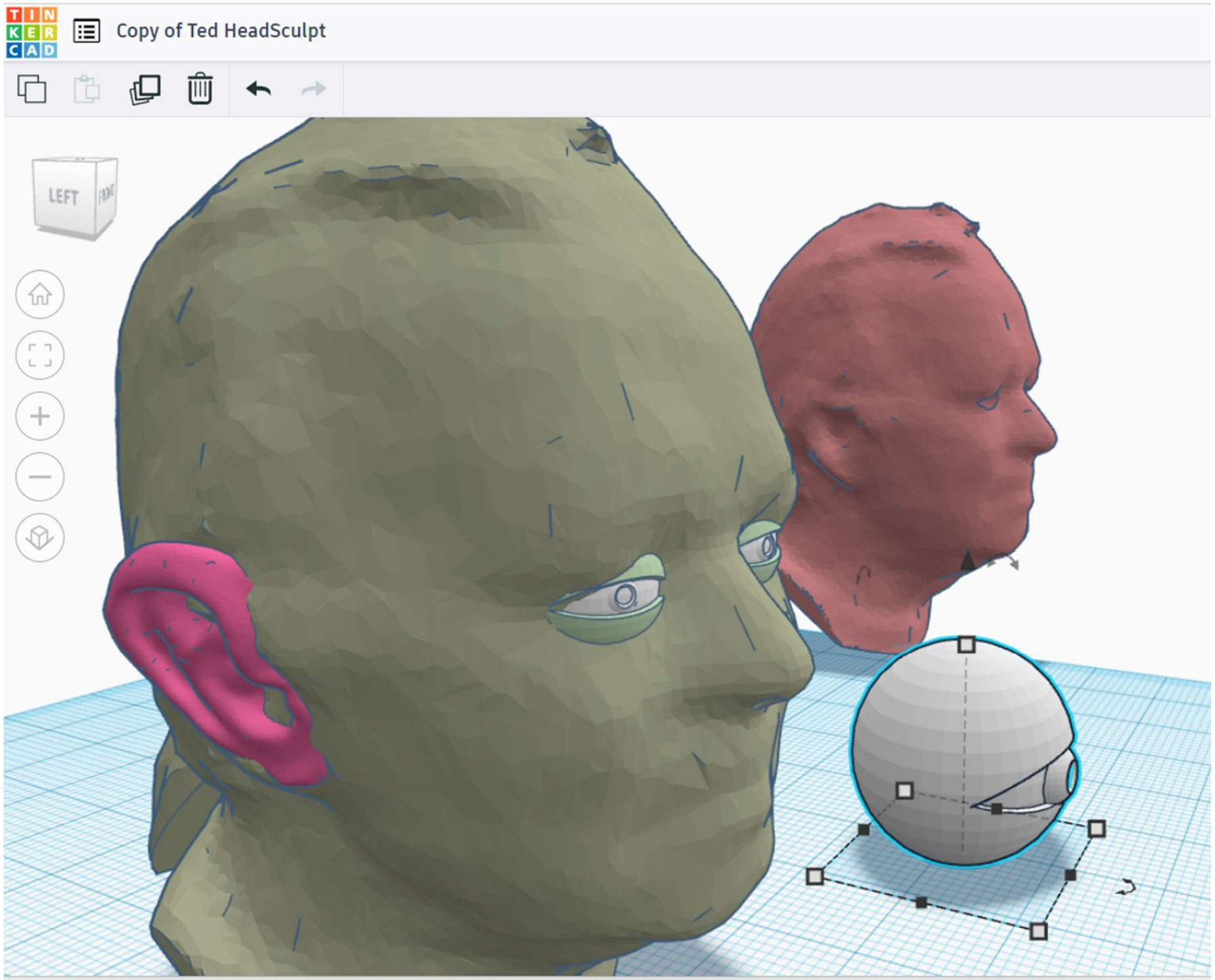


Export



Autodesk Meshmixer - Bruce.mix
Export Mesh
Documents
Search Documen
Organize
New folder
Gallery
3DEXPERIEN(
mods
mods
ModWorks22
Desktop
Downloads
Documents
Name
Date modified
Type
Size
CE3_Ducati 1/5/2024 6:44 PM Meshmixer Docu... 24,698 KB
CE3_70OLDScutlassBWcura 12/31/2023 6:15 PM Meshmixer Docu... 12,174 KB
MomBox 2/16/2023 8:05 PM Meshmixer Docu... 2,212 KB
CE3_Lion2TPMcura 1/7/2023 8:40 PM Meshmixer Docu... 97,651 KB
Design2test 3/5/2022 3:03 PM Meshmixer Docu... 11 KB
Outlook Files 3/14/2024 4:17 PM File folder
Scans 3/9/2024 12:43 PM File folder
Taxes 3/7/2024 10:17 PM File folder
PatCliff 2/26/2024 10:27 AM File folder
File name: Bruce
Save as type: STL Binary Format (*.stl)
Hide Folders
Save
NOTE: stl
Autodesk Meshmixer - Bruce.mix
File Actions View Help Feedback
Import
Meshmix
Select
Sculpt
Stamp
Edit
Analysis
Shaders
Export
Print
Transform
Coordinate Space
Local Frame
Translate X -57.49 mm
Translate Y 0.8643 mm
Translate Z 6.7999 mm
Rotate X 0
Rotate Y 0
Rotate Z 0
Scale X 1
Scale Y 1
Scale Z 1
Size X 46.906 mm
Size Y 41.684 mm
Size Z 46.979 mm
Uniform Scaling
Enable Snapping
Absolute Coords/Sizes
Snap Step 12.5 mm
Accept
Cancel
Object Browser
Bruce.ply (solid)
Bruce.ply
MeshSO14
MeshSO15
MeshSO15 (copy)
Shaders
Export
Print
Export
Object Browser
Bruce.ply (solid)
Bruce.ply
NOTE: Object Browser and eyeball

Head Sculpting details



CAD review…

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Ondsel ES (based on FreeCAD)
Blender with CAD Sketcher
Fusion 360
TinkerCAD
Shapr3D
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