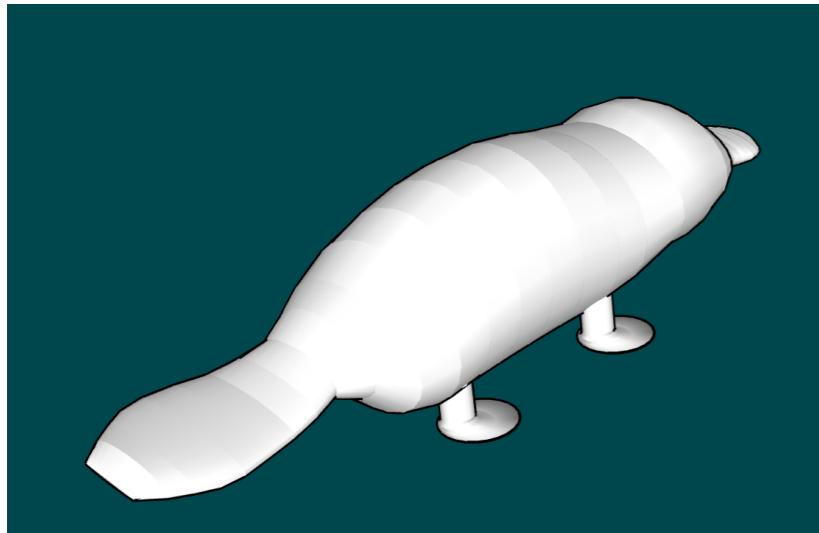
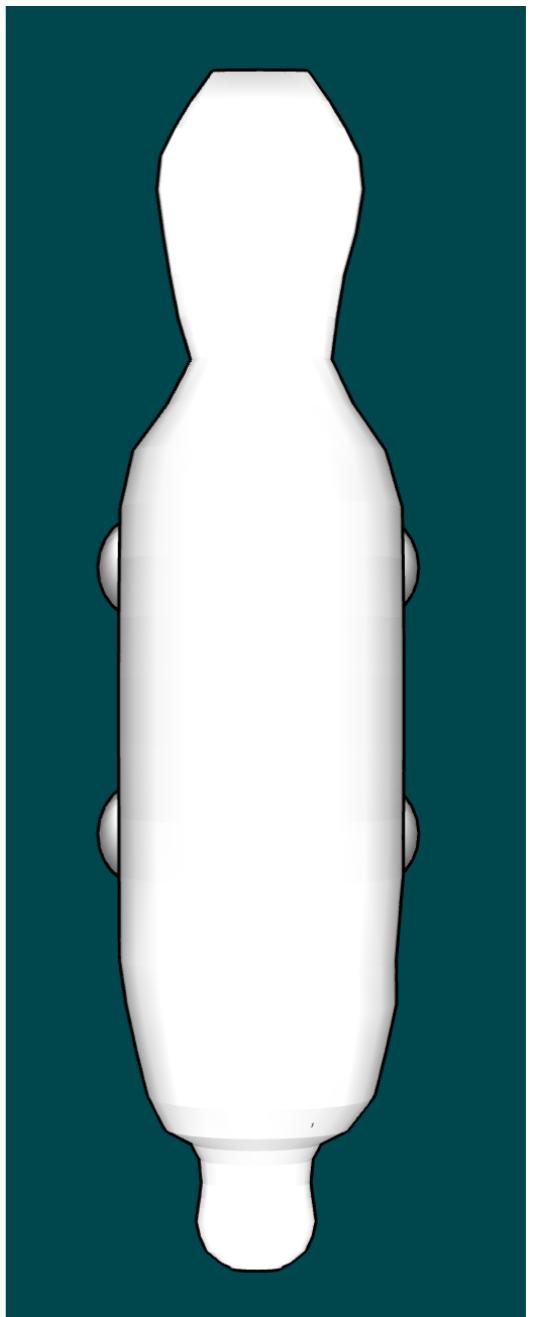
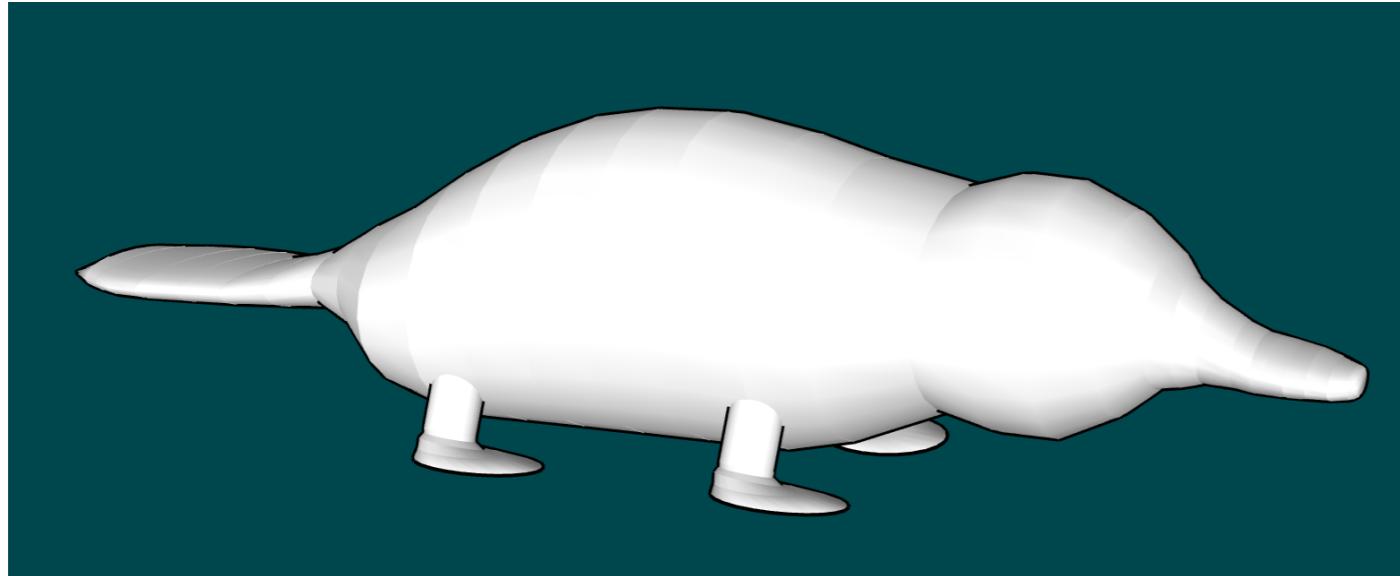


Assignment 9

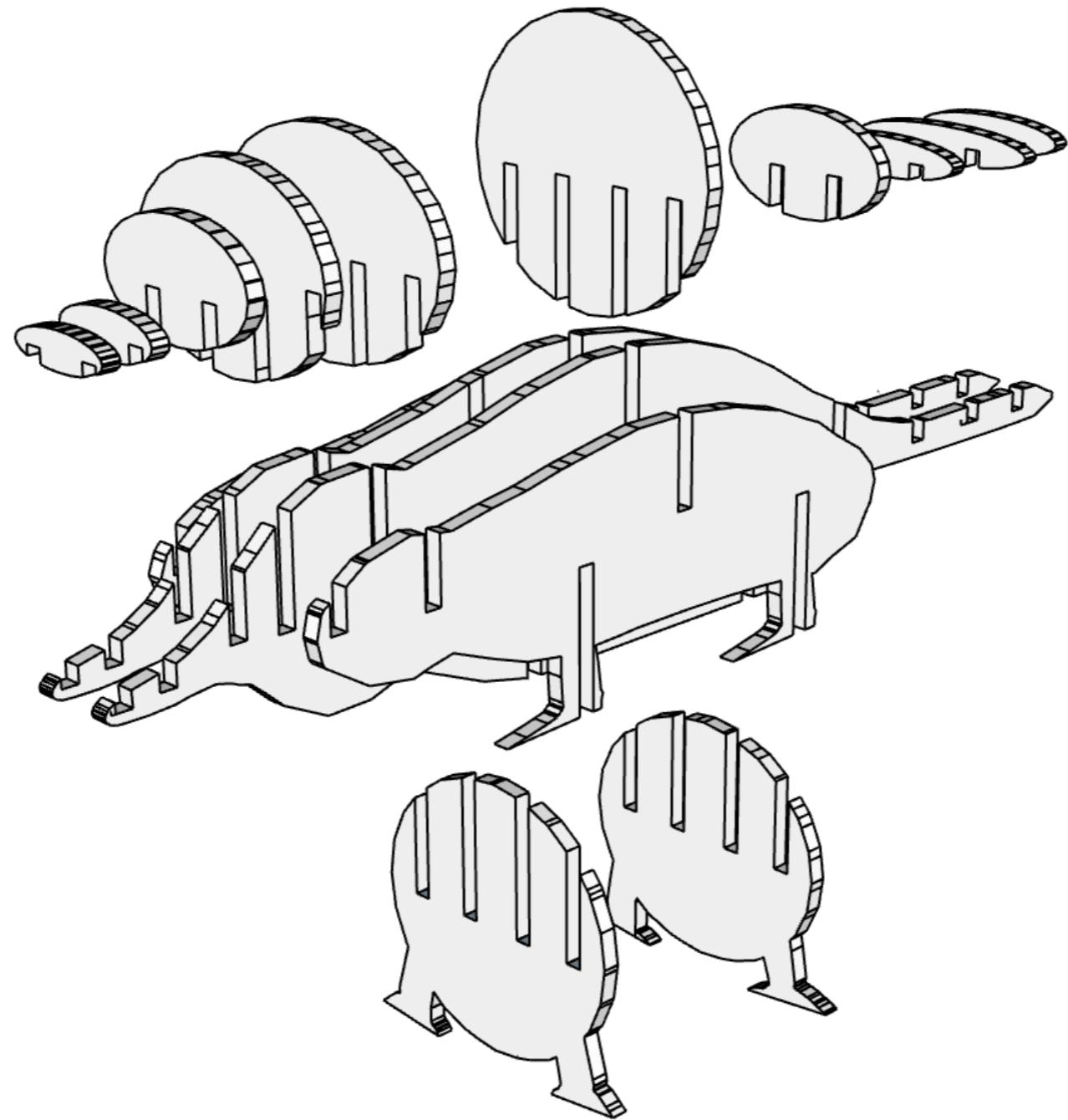
Lily Dykstra
Form 3100 - Spring 2024

April 9, 2024

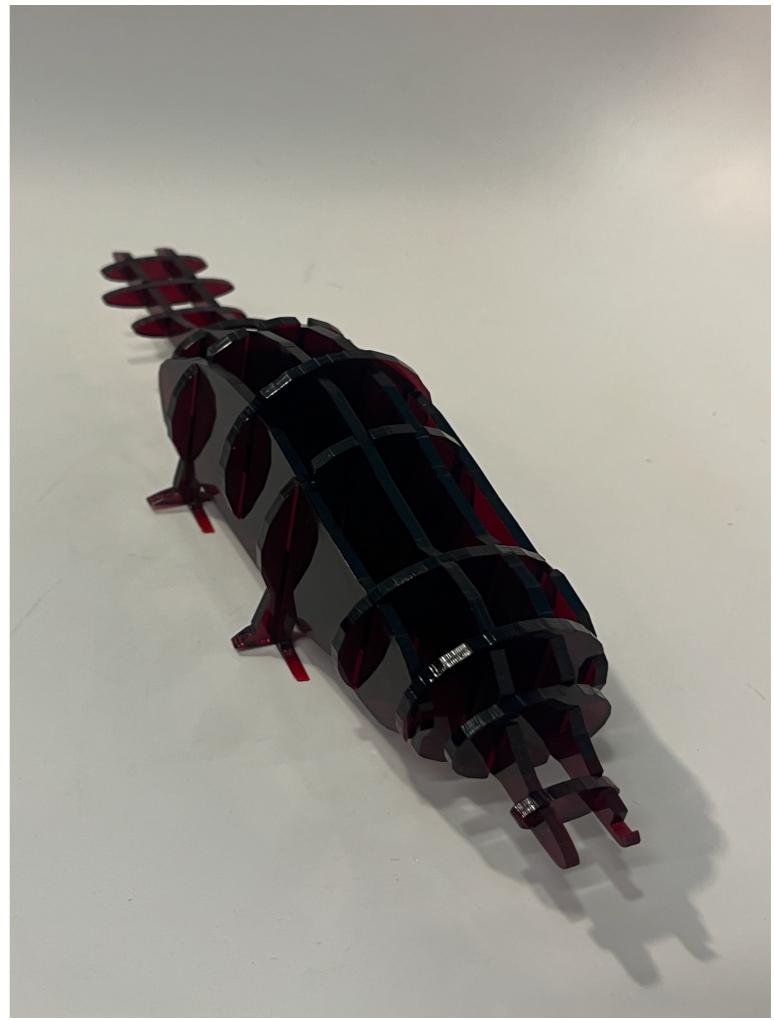
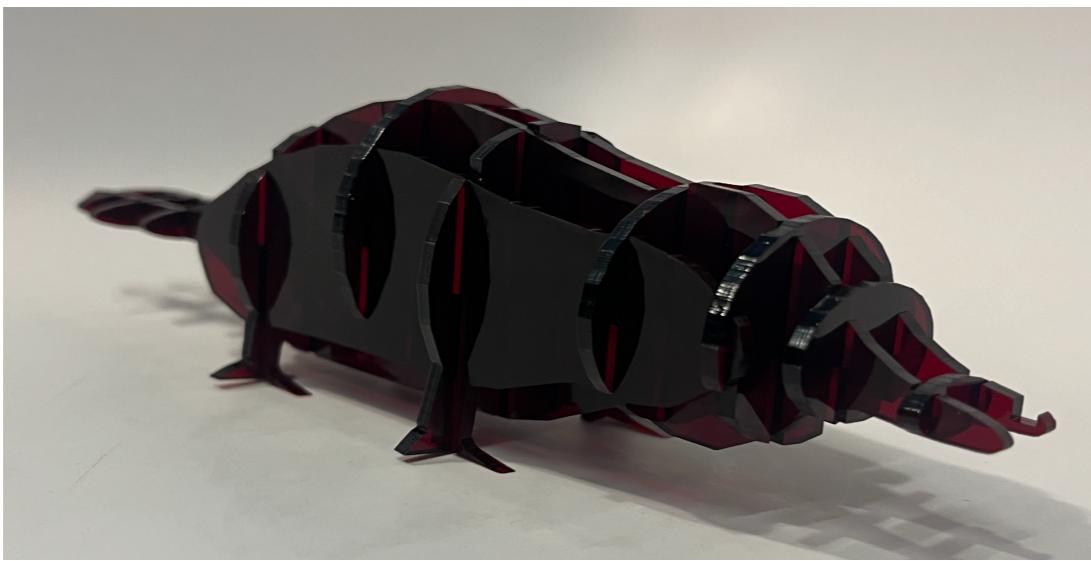
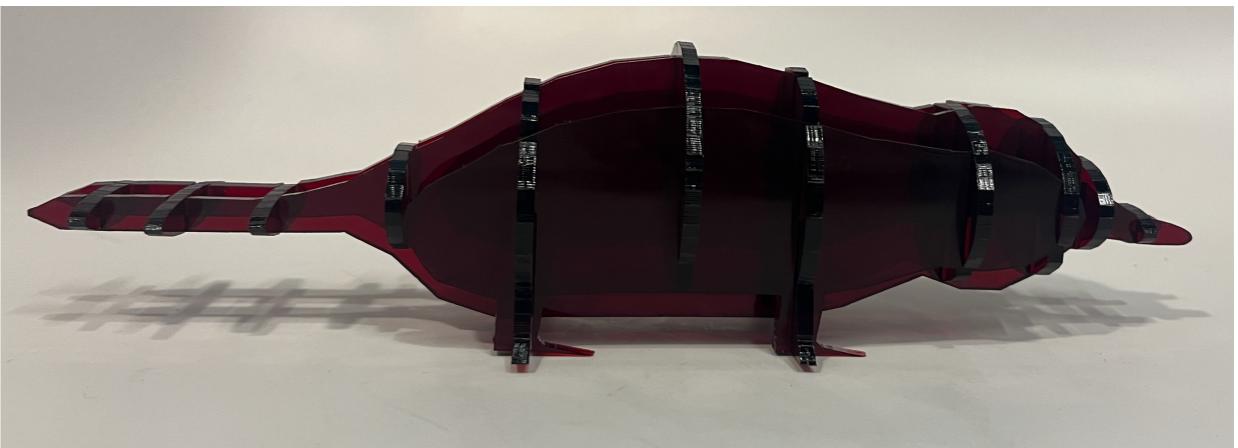
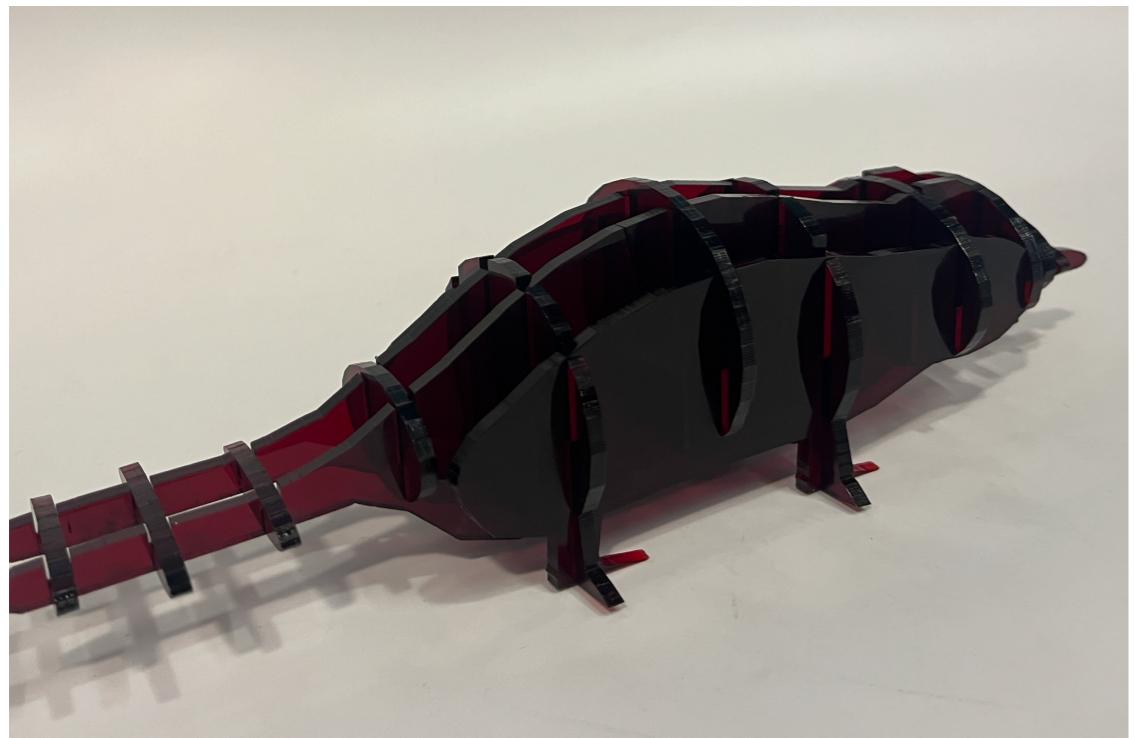
3D Model-Platypus



Isometric View



Final Laser Cut Platypus



Process Journal

I am thinking of doing a platypus because my dad loves them and I could give him the little model. I am not sure how to make that shape though so we will see.

I am starting on this and it is just looking like a worm, a weird worm. I wasn't sure if I could do this the way Aidan did in the video so I am just doing the push/pull sections since the platypus is relatively circular. I havent done the feet.

This shape is so much fucking harder to make than I thought. I can't get the head to look right, the beak/snout whatever it is called, the tail. It all looks so wacky. I have edited it so many times I think it looks good enough.

The process of slicing it is not as bad as I thought. I am so glad I am watching the video because I did the first few slices and moved them to the side then couldnt get them to match up. Continued like 20 seconds and realize why he did the move 300 mm over thing. It is lining them up so well it is mt savior. It looks like I did too many sliced and I need to cut down. It is kinda losing its platypus shape as I lessen the amount of slices but I give up. It is going to look like a rat and that is ok. I am really really not looking forward to the next step of sloting it. It seems so freaking tedious.

I was right this is so tedious, but I have never ever been so grateful for the intersect planes tool. I think I would cry without it. the intersecrt planes tool makes it so easy one way but the amount of markings I am making for the other side is driving me bonkers. ok finally done I no have to put these things on a flat rectangle to prep for laser cut. I think i hate every single step of this project.

Starting the laser cutting and already annoyed because as a dxf file it did not keep it scaled so i am eternally grateful i kept my 10"x12" rectangle around it so I can scale that to size and my slots will still be right. First cut is a semi fail. Turns out I forgot to erase all of the intersection lines on two peices so it just chopped them in two. I have enough space so I can redo them. Got it right this time but as I am putting it together I realize that the very front of the beak i did not make a tiny slot so I give up and that just isnt gonna have a top piece even though one side has a slot and the other doesnt. Still looks like a rat and that is okay.