

ARCHIVES 3D
(3D PRINTED SNEAKERS)



By: Kevin Pintado

Project Description:

Since middle school, I've been deeply passionate about collecting exclusive sneakers, a passion that remains just as strong today. During my time in the Entertainment Technology Department, I gained a diverse skill set, but what truly resonated with me was fabrication and design, particularly website coding.

Drawing from these interests, I developed my project, *Archives 3D*. This initiative combines my love for sneakers, design, and technology. I 3D-scanned my personal sneaker collection, imported the scans into Blender for modeling, and brought them to life using a 3D printer. To document and showcase my work, I designed a custom website featuring videos and images of the entire process—sanding, painting, modeling, and the final 3D-printed results.



TIMELINE :

Week 1 : Research and Test

Week 2 : Pick Shoes going to be used

Week 3 : Gather ideas to add onto the website either images or videos or texts

Week 4 : Begin Scanning Shoes

Week 5 : Trouble Shoot / Small Prototype

Week 6 : View possible perfecting prototyping for 3D models

Week 7 : Start Scanning final 3D models

Week 8 : Begin sanding and polishing / painting final 3D models

Week 9 : Add all shoes onto the website showcasing them in visually appealing images and videos

Week 10 : Poster Board / Final Presentations

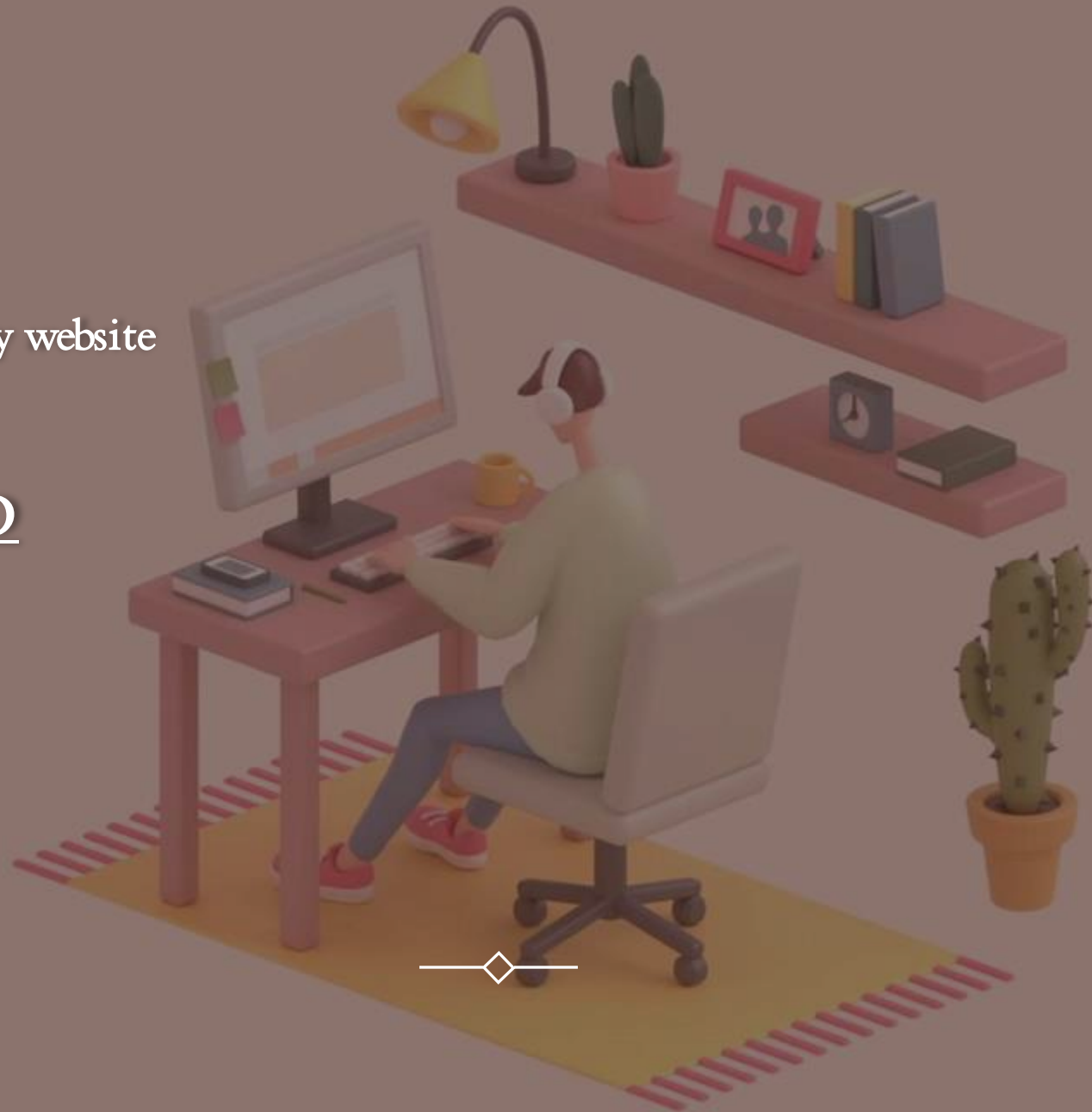
Budget:

Budget		
Material	Cost	Details
3D Printer	\$110	https://www.microcenter.com
Fillament	\$50	https://www.amazon.com/s?
USB / Storage	\$10	https://www.microcenter.com
Acrylic Paint	\$30	https://www.michaels.com/p
ReadyMag	\$15	https://readymag.com/pricing
Ultimaker Cura	\$0	https://ultimaker.com/software
Blender	\$0	
Transportation	\$80	
Laptop	\$0	
Poster Board	\$70	
	Total= \$365	

Website:

Here is a link to my website

Archives 3D



Challenges :

- Having a lot of problems with the scanner I wasn't getting good scans or very sloppy scans from my sneakers from my original first 2 scanners, I wanted to use (Einscan scanner , LUMA app)
- Not knowing fully how to function Blender , a lot of my research had to be done for blender and delay my project more
- Website was only letting me use videos from my actual device, so it led me to upload videos on YouTube



What I Learned :



- My main take away was learning Blender , I used blender to my advantage for this project since it had built in tools to help me 3D Model, I used the tools in blender to make the sneaker scan appear realistic as possible.
- I also learned how to sand off my 3D prints, as well as how to paint them.
- Design a website and add content into it keeping an aesthetic to the site.

Future Goals:



- Make it into a business , I have many ways to possibly print these model of shoes, I as well have the website for it I can make it into a place clients could purchase the models.
- Buy a new printer Bamboo Lab A1 Mini , more efficient and better quality on prints
- Make more components to the sneakers as in making a box for the sneakers or even adding different materials as glow in the dark to give it a sleek look



THANK YOU

