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Fall 2024 Minigrant Proposal

Exploring the 3D Digital Media-scape

As a visual artist who has worked all my life in a two-dimensional form, I am increasingly excited in seeing the potential of digital art. One form of this is 3D printing. Primarily being a painter, I have spent most of my life creating thousands of artworks, yet the three-dimensional realm remained foreign to me. However, through an internship supported by the 3D Lab in Ruffin Hall and Lab Manager Victoria Valdes, I have gained a fresh kind of exposure to the digital space that has generated a newfound passion for me. My internship at the 3D Lab began by giving me a taste of the potential that computer modeling, digital sculpting and 3D printing had. I then expanded into learning important 3D Modeling applications such as Meshmixer, Rhino and Blender. All of these have huge learning curves. Still, beyond their frustrations, I found myself so drawn to these practices and the potential intersection they had to my current body of work. What does the practice of 3D printing mean for art installation? How can I incorporate these new developing skills into my current artistic investigations? What potential do I have with these newfound interests?

In order to answer these questions, over time, I strive to increase my capability of the above-mentioned programs, enough so that I can confidently use them to explore a full range of media in my work. I believe the digital space is incredibly innovative and important; I am determined to understand it to the best of my ability. For my practice of the digital realm, I am requesting a **Wacom Intuos Pro Medium** tablet that is critical in the use of sculpting in the application Blender, as it allows an artist to use a full range of hand and arm movements. I am also requesting two spools of **3D Printing Filament**, which is used in 3D Printing machinery, so that after I model my sculptures I am able to print them.

I am also an avid 2D digital artist in my spare time. I have a passion for graphic design and illustrative work, which I work on for leisure using my existing technical skills. I own an iPad Pro, which is extremely useful in a multitude of ways. I strive to incorporate aspects of digital media into my existing work also, in the form of exhibition, installation and projection. However, I struggle to work digitally for consistent periods of time because it can make my neck and back sore from strain. In order to counteract this, I am also requesting a tablet stand that will physically aid me and allow me to pursue my digital work in a comfortable setting.

Item	Quantity	Price per quantity	Justification	Link	Total cost
Wacom Intuos Pro Medium	x1	\$379.95	Important tool to connect to devices so I can sculpt in Blender	https://estore.wacom.com/en-us/wacom-intuos-pro-medium-m-pt660.html	\$379.95
KABCON Tablet Stand	x1	\$29.99	To elevate pen tablet and iPad Pro to make my digital workspace more comfortable	https://www.amazon.com/dp/B074J159V5/ref=cm_sw_r_cp_api_glt_fabc_76VW0GVWDP6XCPRPTK3S?th=1	\$29.99
Forest Green PLA Filament - 1.75MM, 1KG SPOOL	x2	\$25.99	Filament used for 3D Printing and realizing my digital sculptures	https://www.hatchbox3d.com/collections/pla-1-75mm/products/3d-pla-1kg1-75-fgrn?_pos=3&_fid=2d828ea46&_ss=c	\$51.98
Wood Brown PLA Filament - 1.75MM, 1KG SPOOL	x1	\$31.99	Filament used for 3D Printing and realizing my digital sculptures	https://www.hatchbox3d.com/collections/pla-1-75mm/products/3d-wood-1kg1-75-brn-b075dygkq9?_pos=4&_fid=2d828ea46&_ss=c	\$31.99

TOTAL: \$493.91

Timeline

- October-November:** Learning Blender, making models of different shapes and sizes
- December:** Printing models and learning 3D Printing Machine functionality
- February-March:** Finding purpose in my creations and making models that align with my conceptual interests
- April-May:** Printing final models



Examples of digital work:

(Left) Digital piece done on iPad

(Right) 3D modeled and printed Stem Cup with PLA Filament (Polylactic Acid Filament)

