

Kevin Pintado

Working Title

Archives 3D

Project Overview.

Give an overview description of your project in 1-3 paragraphs.

I have always had a passion for collecting exclusive sneakers. This ultimately led me to create a way for others to experience these designs without having to spend a substantial amount of money. To achieve this, I used tools such as Blender, UltiMaker, a 3D printer, and the Kiri Engine app to design and produce a model of the 3D printed sneakers. These prints are polished, painted, and finished to closely resemble the real-life shoes. To share this process, I have developed a website where users cannot only view the final product but also explore the steps involved in 3D scanning, modeling, and printing.

Sketches.

- **Include at least 1 sketch for what you anticipate the project looking like. Include more sketches if you feel that this will communicate the project idea more clearly.**





Website Link:

<https://readymag.website/u3897878329/4775170/>

Inspiration / Motivation.

Why do you want to make it?

An inspiration was a website called Thingiverse and Fusion 360 as well as being able to create an E-Portfolio showcasing my abilities with both a website and 3D printing.

Project Scope and Objectives.

Define the project outcomes and deliverables

- Have a blueprint of how I want to create my project
- Have a description of what to add to my project and how to make everything run correctly
- Have 3D printing prototypes
- Have 3D models lists
- What equipments to use
- What kind of budget will I need for my project
- Have planned out how I want my website to look
- Documentation of everything

Precedent Research.

Identify three precedent projects with conceptual, technical, and/or aesthetic overlap. For each precedent example, include a link to documentation, brief description of the precedent project (1-3 sentences), how your project relates to it, and how your project deviates from it.

Originality.

How does your project contribute something new or improve upon something existing?

My originality for the project is using my own personal collection of shoes any using a 3D scanner for it, as well as the website I am creating, my ideas being put into the website as well as my aesthetic and my visuals being used into the website.

Target Audience.

Who is the intended audience for interacting with or using your project? What is the intended age group or demographic?

The intended target audience is people with an aspiration to know more about 3D printing as well as people who would like to see technology based art projects, ages from 12-60 can be age group. A well as people who love to know about streetwear and sneaker fashion

Method.

How do you plan to make it?

Is this an individual project or collaboration? If a collaboration, note your specific role and scope of work and your collaborators' roles and scope of work. Note the names of any confirmed collaborators.

Outline the specific steps for completing the project. Include your overall design process, research needs, any technical demos or tutorials you anticipate moving through, tools you may use, fabrication needs, testing, iteration, etc.

Begin with building a website for Archives 3D with ReadyMag . Plan out the design process through ReadyMag and what I want and don't want in my website

Choose two to three , 3D models I want to showcase in my website

Begin the designing of the 3D models

I will be using blender to fix my 3D scand and make them similar to the actual shoe

Example of small 20 second – 30 second video I want to create is like so

<https://www.youtube.com/watch?v=B-IOoXuLqvw>

Materials.

Identify and list any software, hardware, tools, materials, and other resources that you will need for working on this project. Note which items you already have and which items you will need access to.

Budget + Resource Needs.

List any items you anticipate purchasing for the project, including a rough cost estimate of each item.

List items and resources you anticipate requesting from City Tech (for example, 3d printing or laser cutting in V102 lab, use of the scene shop, borrowing a video camera or shotgun microphone, etc.)

List any items or resources for the project you anticipate requesting from outside of City Tech, including if the resource or borrowing arrangement is confirmed.

- Fusion 360 or Blender to be able to use for my 3D prints as well UltiMaker to slice my 3D models
- Filament , STL files , Hard drives , computer , internet access , Phone some of the tools needed
- Budget of \$100-\$150 (if needed)
- Will not be needing much items in and outside of City Tech asl have my own 3D printer will probably only need to purchase Filament Spools
- https://www.amazon.com/s?k=high+speed+pla+filament&hvadid=648114779975&hvdev=c&hvlocphy=9004403&hvnetw=g&hvqmt=b&hvrnd=8300399819159819496&hvtargid=kwd-1961114788711&hydadcr=8463_13507397&tag=googhydr-20&ref=pd_sl_jtfguye6h_b
- Filament (\$25-\$50 needed for this material)
- ReadyMag - FREE TEMPLATE BASED WEBSITE CREATOR

Skill Inventory.

What skills do you already know for completing this project?

What skills do you need to research or learn for completing this project?

We typically advise that students target their projects to around 75-85% of skills already familiar to them through prior coursework and experiences, with 15-25% of skills to be researched or learned. Does your proposal currently fit within that scope?

- Skills I know for this project is how to create a basic website
- I know how to 3D print and what programs to use as well as how to make certain 3D prints
- Video editing and images are something also I am pretty knowledgeable about
- Ideally I would just need to learn to make my work better visually and perfect how to do all of the skills mentioned above.
- Learn how to use Blender and how to 3D model
- Learn also how to learn ReadyMag to make my website

Challenges / Obstacles.

What potential challenges or roadblocks do you foresee in completing this project? How might you solve them?

Some of the challenges with this project can be the use and the knowledge to scan for 3D printing. It's a very tedious process and something that takes a while to be able to really get down to have something to print. As well as not having much of an experience with blender I have made my way around with the program but need to really invest more time in knowing about it.

Portfolio Goals.

How might this project relate to your concentration, career goals, and/or continued academic pursuits such as graduate school?

This project can contribute to my goals as to be able to make it into a business where I can sell my prints or even 3D objects and incorporate it into my everyday life, and some few career goals as to be able to create objects and get good at fabricating certain objects and incorporate them in technology where it can be used for great benefit.

Advisement.

Outside of this class, are there any professors or peers who you have consulted with about this project?

Are there any professors who you plan to consult with? If yes, list their names.

I have consulted with professors about my project. I do have someone in mind to be able to receive advice of what it is I want to create and that would be Professor Corn, as he was the one who was my professor for my Fabrications class.

Plan for Testable Prototype / Proof of Concept.

Give a brief description of your idea for a testable prototype / proof of concept to present towards the end of this semester (completed by May 6). Keep in mind that the prototype should account for about a month's worth of work while showing the feasibility of the project direction.

My 2 Main Prototypes are going to be the website overview and the 3D models

The 3D models will have the prototype of how the model will look like, I can probably print out the models by parts , as well as painting them with acrylic paint to give them a more vivid look.

The other prototyping will be the designing of the website , how it would look like and how I can make It more appealing to a modern website