



# Hannah Beales

Model Making Portfolio

[hannahbeales7766@gmail.com](mailto:hannahbeales7766@gmail.com)

07738615361

# Hello 😊

Hi welcome to my portfolio! My name is Hannah and I am a third year animation student at Arts University Bournemouth and I will be graduating in June. I specialise in stop motion animation at uni and I am a self-taught model maker. I have interests in music, drawing, painting, sculpting, sewing, knitting and crochet and just all things creative. I love learning new skills and I have experience with working both independently on personal projects and in team-based environments, so I have very good problem solving and communication skills.

I am applying to course because I really want to make it into the industry as a model maker and I want to learn new skills in modelmaking to improve my portfolio such as using workshop tools, laser cutting and woodwork etc. After visiting the open day, I was very impressed and inspired by the work environment and amazing work of the students.

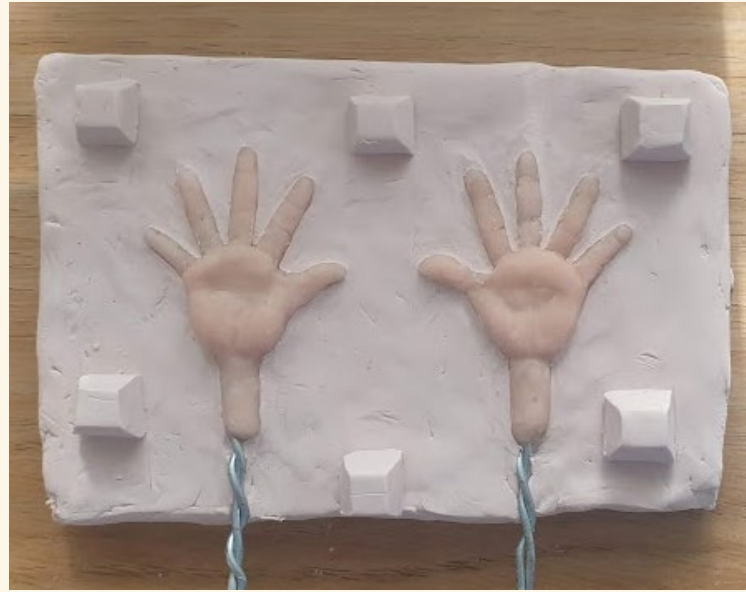
I hope that you enjoy looking through my portfolio and will take me into consideration for a place on this course!

# Miniature Hand Sculpts

- Here are some miniature hands that I sculped out of Super Sculpy. I made them by making a simple wire armature underneath and building up the form with Super Sculpy. I made these with the intention of making molds from them and then making silicone casts for a puppet I am working on with a small team of people.



## Making Plaster Molds (process):



I started by 'sinking' my sculpts by about 50% into plasticine and then making keys and building up the walls of the mold before pouring the plaster and then making the second half of the mold. Before pouring the silicon, I painted a thin layer into each mold and let it set to ensure that there were no bubbles on the surface of the hands.



# Molding and casting outcome:

- Here are a pair of silicone puppet hands that I made for the puppet for my grad film. I ended up making around 5 pairs of hands in total and each hand has a wire armature that I made inside. I then fitted the hands to K&S that I cut to fit the puppet so that the hands are interchangeable when they will inevitably get worn out with use by the animators. I added small sleeve cuffs over the K&S to ensure that it will not be seen by the camera.



## Costume Fabrication:

- For my grad film puppet I made a miniature pleated school skirt. I made it by creating box pleats in some fabric and then sewing them into place using a sewing machine. I made sure to adjust the width of the stitching to match the scale of the puppet which stands at 24cm tall. I then wired the skirt with thin aluminum wire so that it is poseable.



# Needle Felting:

Here is a needle felted wig that I made. This was a practice test to see if I could recreate the hair from a character design that my teammate had drawn. I made the wig to fit a prototype 3D printed model of our character's head. I also painted the faceplate using gouache paints.



## Painting 3D Printed Face Plates:

These faceplates were 3D modelled by my teammate and then I painted them using spray paint as a base and then gouache paints to add details. I also created needle felted eyebrows which I attached to the puppet's face using tacky wax to allow movement.





## Schoolgirl Puppet Fabrication:



This puppet was a group effort as I worked with 3 other people on my team. I was responsible for fleshing out the armature, and the making of the tights, skirt, shirt, felted hair and eyebrows, and silicone hands. The face plates were 3D modelled by my teammate and then I painted the 3D prints.

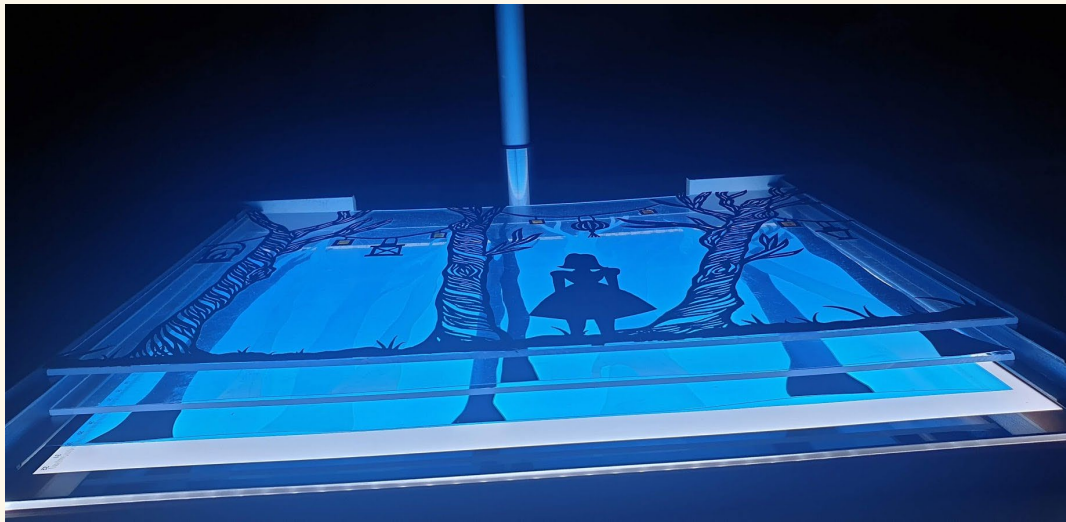


# Paper Silhouette short film:

- Here are some stills from a paper silhouette stop motion film that I made during the COVID-19 pandemic. This was a personal project inspired by the work of Lotte Reiniger. I made each set by cutting out the shapes by hand using black paper and scalpel. This project was entirely done by me.







I made a slot to hold the sheets of plastic so that I could lay the paper cutouts on top to create depth as the camera was mounted above and facing down. I used a light-pad that I had and coloured plastic sheets to create the lighting.

## Miniature plants and foliage:



- Here are some miniature flowers that I made for a short film that I volunteered on as a model maker called *Huntress* (2022). I had to make variations of flowers based on some designs made by the lead model maker. I made them using wire and crimped paper.



- I was given free rein over the design of some foliage for the forest floor of the set so I decided to make some ferns which ended up in the final film. I made them using wire and crimped paper and then I painted them to add more texture and to make the dead ferns look even crispier.



## Needle Felted Stop motion Puppet:

Here is a needle felted puppet that I made for a film pitch that I was doing. I created this puppet by making a simple wire armature and making the 'bones' of the puppet out of tightly wound masking tape. Then I needle felted over the top. This puppet stands at around 4 inches tall so it is the smallest puppet I've ever made.



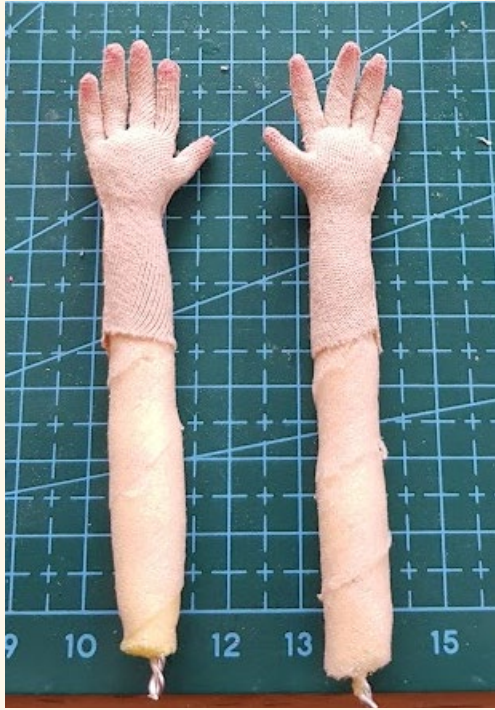


## Mini-me Personal Project:

Here is a stop motion puppet that I made to look like a mini me. I made an armature out of wire, balsa wood, and miliput and fleshed out the armature using a car sponge and wrapped it in mesh under-wrap bandages to create the shape of the body. I carved the head out of balsa wood and created the nose and brow bone out of miliput before covering in fabric. I made the clothes to match one of my favorite outfits that I usually wear, including a miniature crochet top that I made to match my own crochet top that I made.



# Mini-me project: Some of the behind-the-scenes process



In this project I was most excited about attempting miniature crochet. I made this top using a pattern that I made for my large-scale top and I made it by using a 0.85mm hook which would usually be meant for making lace.



## More Felt Wig Making:



## Character Bust Sculpt:



Here is a Monster Clay sculpt that I did of a ghost character from a student film that I am working on. I did this to help the character designers visualize the character in 3D before drawing out the turnaround sheet.

Sewing and fixing  
costume:



This puppet was also a group effort for our graduation film and I was responsible for making the replaceable felt hands and for sewing up the back of the dress made by my team member. The back of the dress was left open so it could be fitted onto the armature but because it wasn't hemmed it frayed quite badly so I was given the task to try and fix it and sew up the back whilst leaving a gap for the rigging point. I also wired up the dress so it could be animatable.



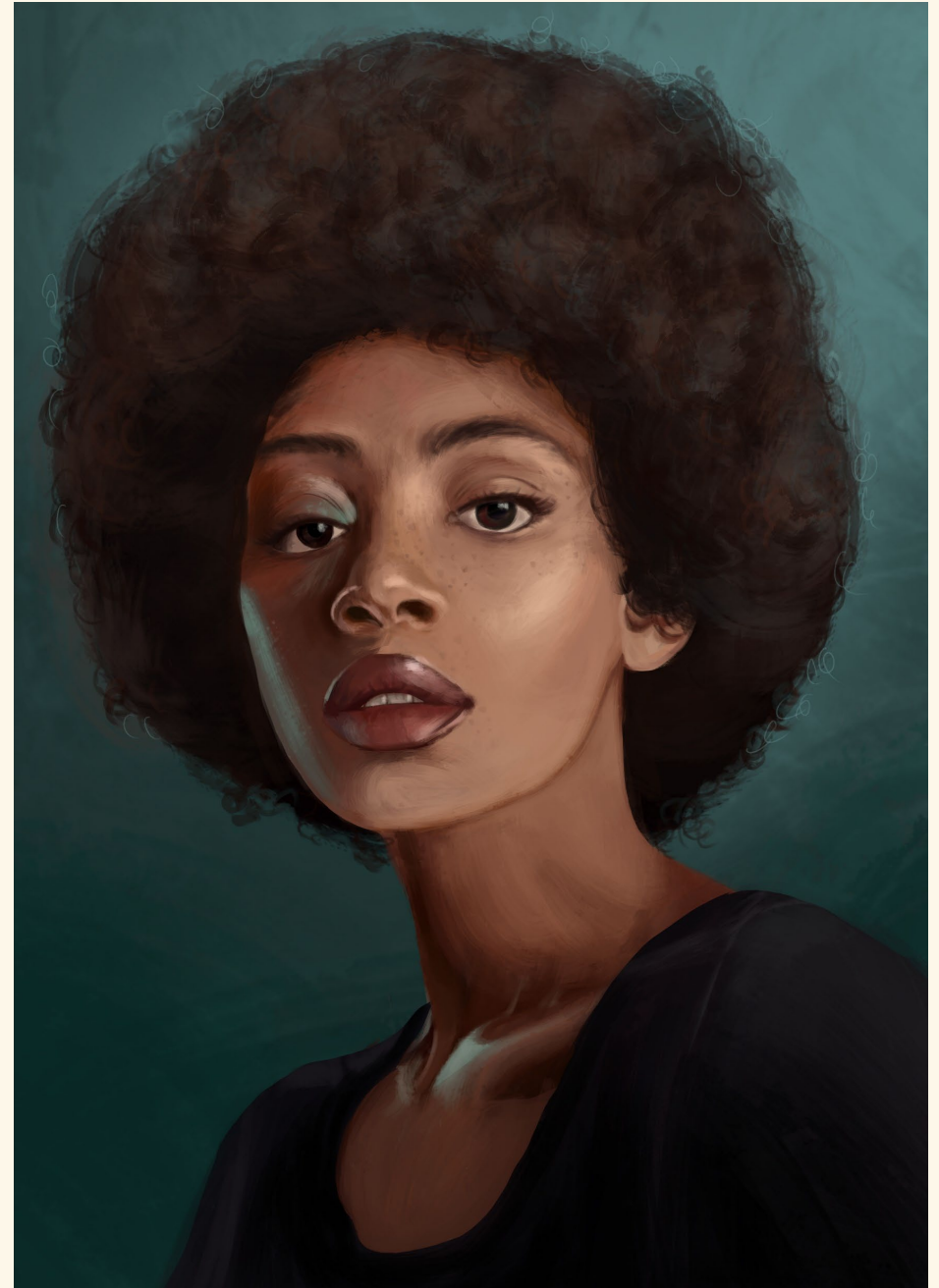
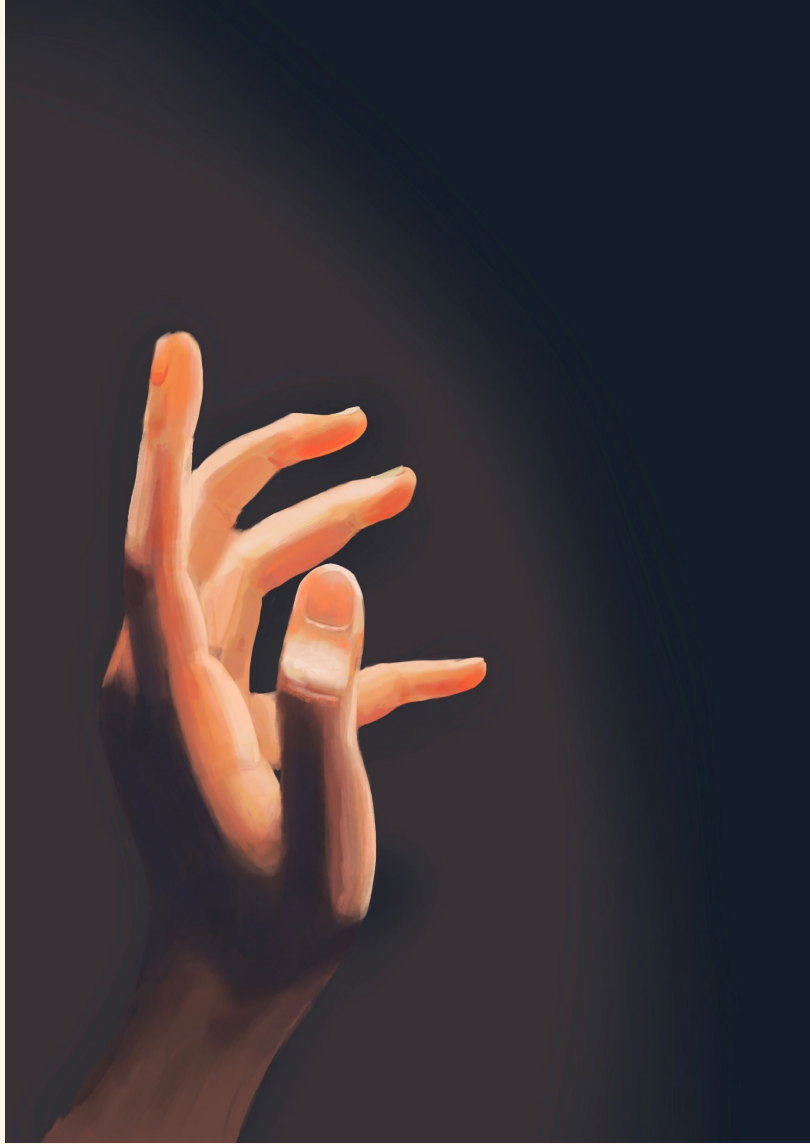
# Freelance Painting Work:

Here is some freelance paint work that I did on a listed house in Wiltshire. I was tasked with hand painting the Lincrusta wall panels.

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# Life Drawings:





Museum Drawings





