# Chinese Character

PROJECT TYPE:

DATE:

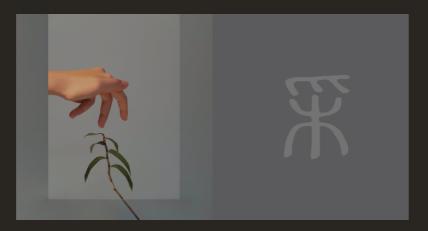


# Background

Together with Arabic, Japanese and Korean, Chinese is rated as one of the most difficult languages to learn for people whose native language is English. To many of the none native Chinese speakers and the second generation of the oversea Chinese immigrants, learning Chinese is a tough experience.



### Inspiration





A few years ago, at the Museum of Fine Art in Boston, I taught the Chinese characters "pick(采)" to a group of Americans. They learn this word(character) quickly and keep teaching this to the other visitors even after I leave the exhibition hall. While this learning process went smoothly and successfully, learning Chinese as a foreign language has a high-level difficulty to none native speakers and even Chinese immigrants. Meanwhile, Chinese culture and Chinese Characters are submerged in a political symbol that China represents.

#### Formation of the Characters

#### **Pictograms**

Stylised drawings of the objects they represent. These are generally among the oldest characters. Here is a example of the Character of "mountain".



#### Compound ideographs

Compound ideographs, also called associative compounds or logical aggregates, are compounds of two or more pictographic or ideographic characters to suggest the meaning of the word to be represented.



#### Rebus (phonetic loan)

characters that are "borrowed" to write another morpheme which is pronounced the same or nearly the same.



#### Simple ideograms

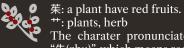
Express an abstract idea through an iconic form, including iconic modification of pictographic



#### Phono-semantic compound

These form over 90% of Chinese characters. They were created by combining two components:

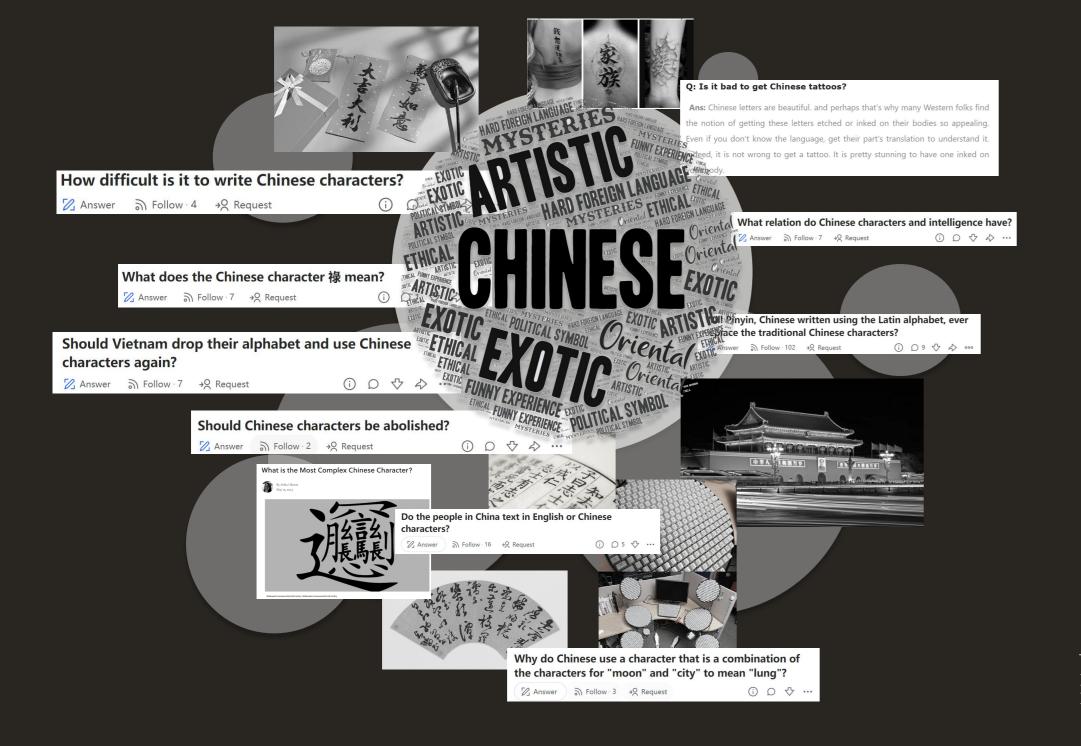
- a phonetic component on the rebus principle, that is, a character with approximately the correct
- determinative, one of a limited number of characters which supplied an element of meaning. In most cases this is also the radical under which a character is listed in a dictionary.



The charater pronunciate as same as

#### Attitude

According to online research, most non-native speakers maintain a great curiosity about Chinese characters. As a symbol of eastern culture, Chinese characters become a window for them to explore oriental mysteries. Meanwhile, Chinese characters also work as a political symbol and outdated record to some of the questioner on Quora.



#### Interview

In this section, I interviewed several of my friends and asked them about their attitude toward Chinese Characters and their willingness to learn them.



"I prefer the traditional one, they looks cool"

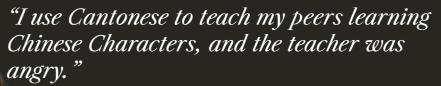
I prefer how square the traditional one looks. Indifferent towards simplified Chinese which looks functional, traditional Chinese looks cool.



"I hope there will be some other version of learning Chinese"

My parents speak Cantonese to me, and we all required to learn Mandarin in the Weekend Chinese school. That is a entirely new language to me. And all the language learning app only have mandarin for Chinese, which make me confused.

S. American Born Chinese



My mum send me to Chinese school twice. The teachers speak Mandarin and I speak Cantonese. My classmate who is originally from HK feel really confused in Class. Finally, I use Cantonese to teach her recognized Chinese Characters and it works. But the teacher seemed angry at that time.

C, American Born Chinese



"For me, they are artistic"

I like the character "tiger(虎)", they are artistic and looks like painting.

R, Spanish American



"Languages learning should go with Stories"

I took a Chinese class in high school, my teacher told us that Chinese language course should go with Chinese history and culture course. So, I thought that is a good idea to combine the Chinese Characters education with some stories.



"I can't read it, but I feel its beautiful power"

I can't read Chinese, but I still can feel the beautiful power inside this characters.





"Handwriting Characters have more temperature"

I would like to say I don't like the Chinese Character on the computer. Hand writing Chinese Character are more lively and artistic.

L, American

In conclusion, most interviewees shared their acquiescence to the artistic value of Chinese Characters. And the second generation of Chinese immigrants, who have suffered from Mandarin education as their second language, hope to see another version of Chinese education.

## Design Concept

I want to provide a new experience to non-native speakers who are unfamiliar but curious about Chinese culture and Characters, with the combination of Chinese Characters and Chinese mythological stories to convey some Chinese philosophical ideas.



Curiosities







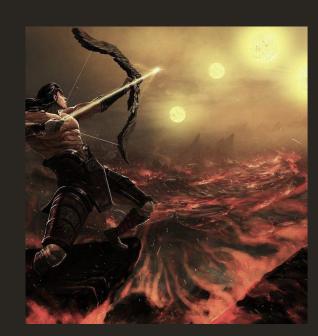


**New Experience** 

**Mythological Stories** 

**Traditional Characters** 

## Chinese Mythology Story



Chinese Characters has tight relationship with Philosophy and Art. Here is two of the story about killing the sun in the ancient time:

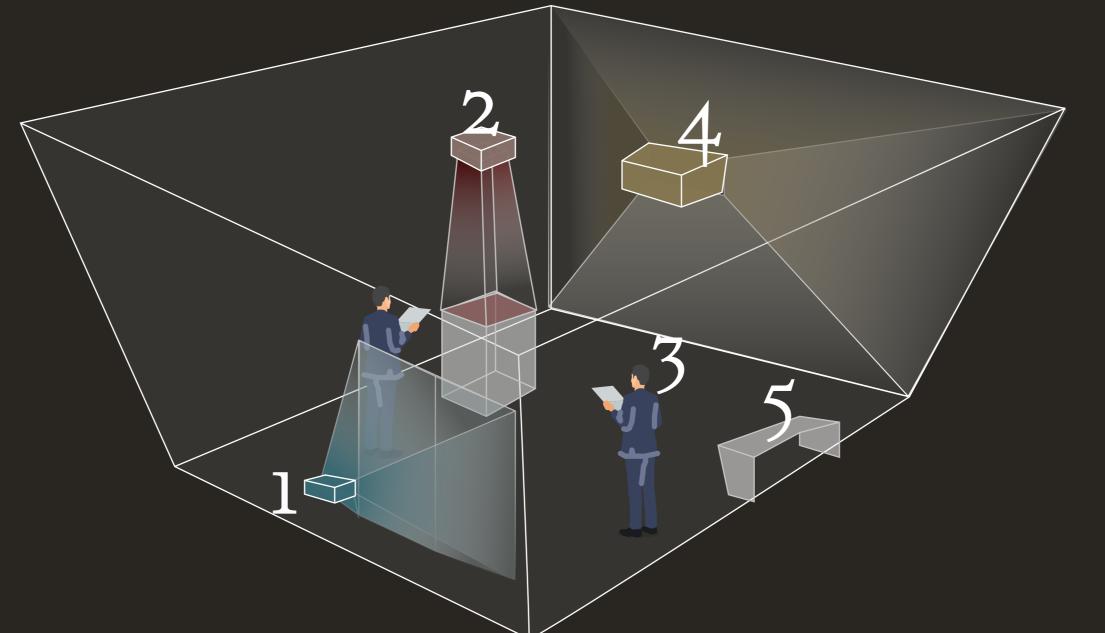
#### Hou Yi:

In mythological story, there are 10 suns on the sky and scorching the earth. Hou Yi was tasked by the mythical King to rein in the suns. After several failed negotiations with the suns, Hou Yi used his bow and arrows to shoot the suns down.

a giant in mythology who wished to capture the Sun to stop the growing temperature, but finally die because of dehydration during his trip. His body turn into forest after his death.

#### Ideation

Based on my own experience, I thought people can have more impression on how the character is go with a lively story, especially a event that happened on them. Hence, I merge the characters with the Chinese mythology story.

























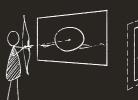


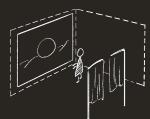














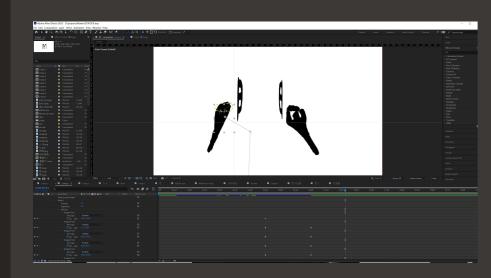






# Designing Process

After making the background image in photoshop, I use after effects to animated the video with Chinese characters. Besides, I also created some animations for the background stories. Here are some AE production showcases:



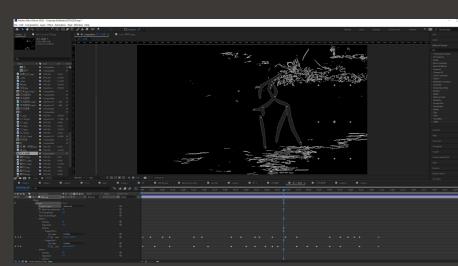
Puppet tools + 3D model for opening door effects



Bezier tools and movement for creating river flow



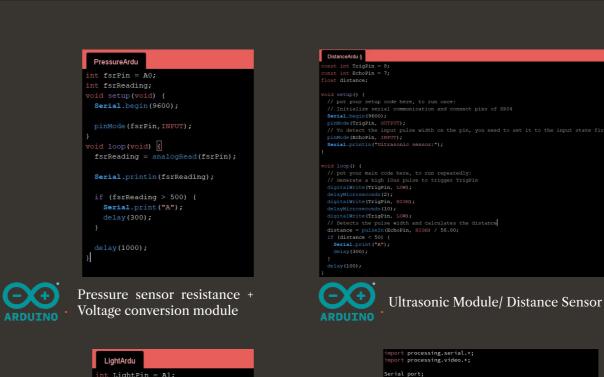
Brush tools for hand writing the Character "Water"

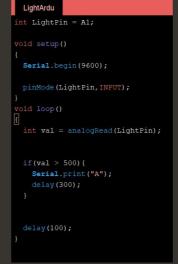


Puppet tools for creating the elder walking.

# Coding

To further achieve my ideal result, I used some electronic modules and connected them with coding in Arduino and Processing.





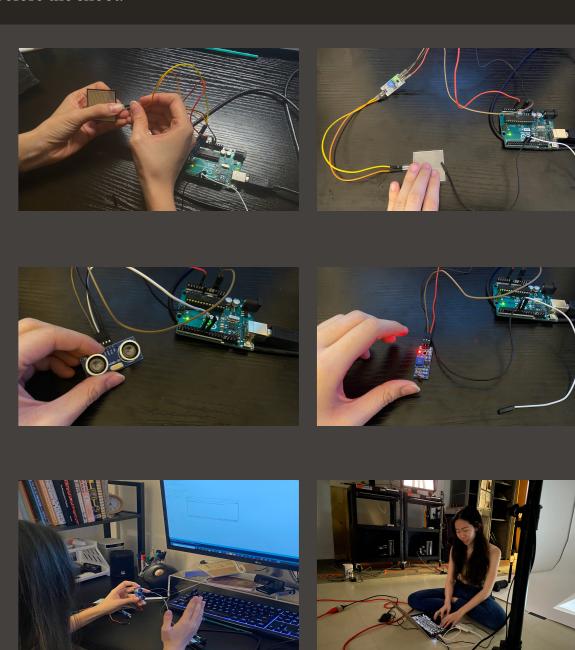
Photosensitive Sensor Module



Connect Arduino with processing, and use for video projection.

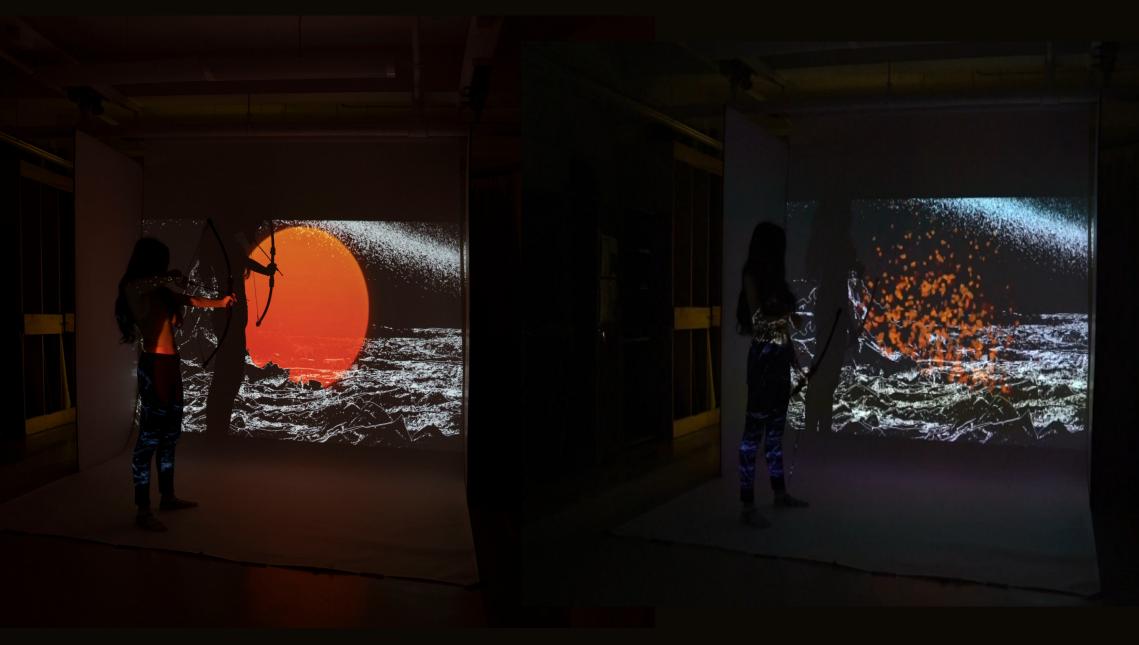
#### Testing

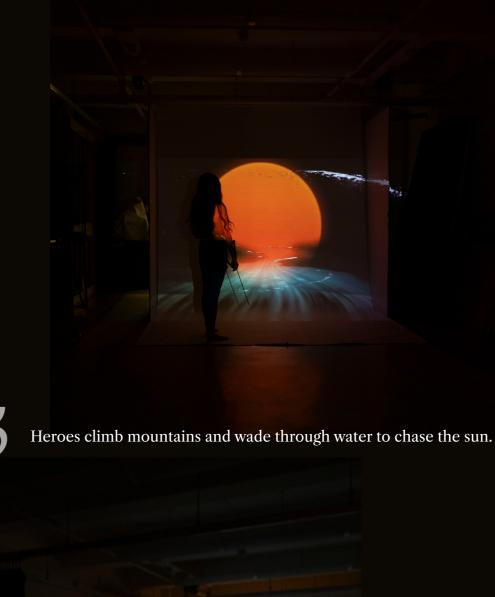
Before the final installation, I did several testing at home and also at the studio before the shoot.



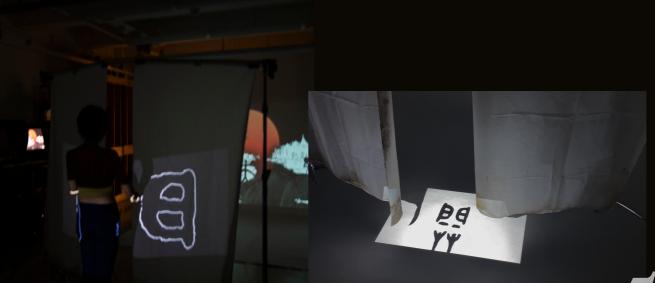
# Final Display

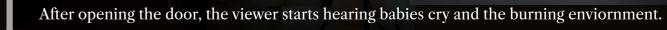
Here are some photos about the final result. The story is about a tribal hero (heroine) goes to kill the scorching sun to save his (her) kinsmen. In this installation, audiences take on the role of heroes and learn the usage of some Chinese characters while experiencing Chinese mythology.

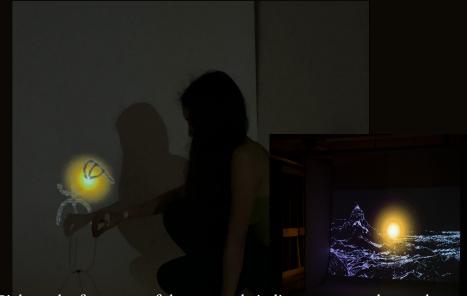












Pick up the fragment of the sun and vitality returns to the earth

The audience needs to use the flashlight on their arrow to aim at the photoresistor in the center of the sun's image on the screen.

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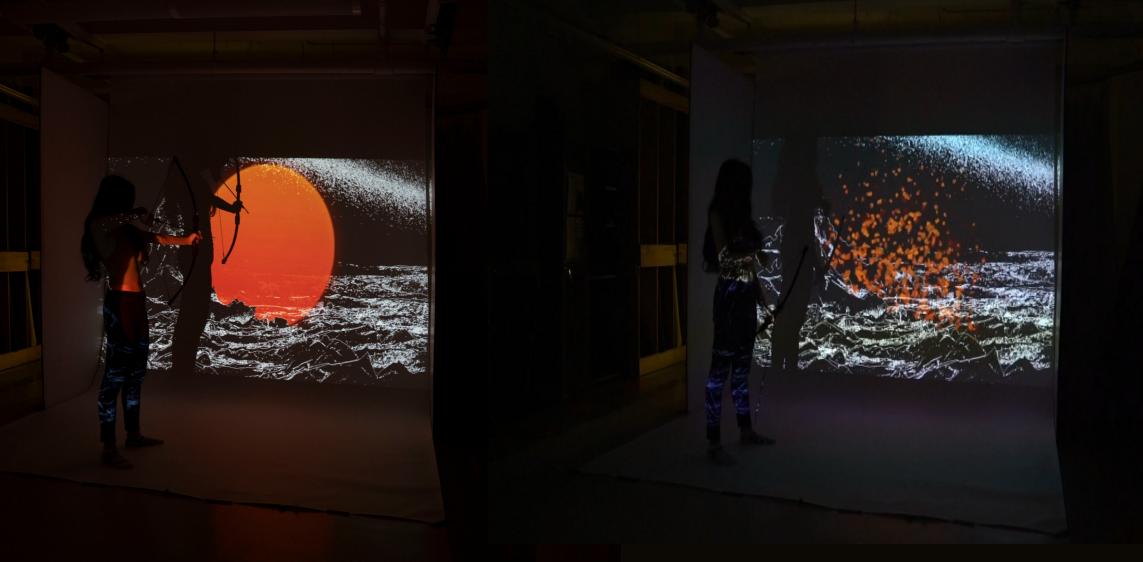
After opening the door, the viewer starts hearing babies cry and the burning enviornment.



Audience needs to accept a virtual bow from the elder.



Heroes climbs mountains and wade through water to chase the sun.



The audience needs to use the flashlight on their arrow to aim at the photoresistor in the center of the sun's image on the screen.



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