This project, "Nature’s Trojan Horse: Nurturing an ecosystem for nature within the embellishment of human perception," aims to allow Norway Maple and English Ivy to re-engage nature through their so-called ‘invasive’ properties. This is an intervention that functions just like a Trojan horse, using its appearance as camouflage to achieve the plant’s own goals of absorbing the central park’s invisible air pollutant and nourishing an ecosystem friendly to many other species.

It expands as Chipmunks, the resident of the system, germinate the maples and Ivy through its excrement in Central Park. The central drive that penetrate the central park also acts as another factor in distributing the mesh that reveals pollution from the cars immediately below. Thus, the "Nature’s Trojan Horse" that is, "In-vading" the central park uses the plant’s embellishments as camouflage to pursue their needs to absorb pollutants and revitalize the ecosystem.
The project also morphs with the seasonal pollutant concentration differentiations. The fabric displays a color map with a blue tone during the Spring as the composition of the pollutants is, in general, more alkaline.

Whereas during the Fall, the pollutants consist of more acidic elements, thus showing a color more akin to red. As time progresses, more animals such as chipmunks will be attracted to the system.

After 20 years, the English Ivy will have flourished on the lattice and formed a VOCs filtering space. It creates a canopy of the ever-green English Ivy that, even during the winter, would remain vibrant.

At the project’s 30 years milestone, a substantial amount of the connections between the fabric and lattice will have broken off and transformed the existing landscape into shelter spaces for animals that benefit from this new environment.

The shelter space, over time, attracts even more chipmunks, who would see the new protective landscape as a sanctuary. A place that provides both the food and protection they need.

The seeds from the Maple trees will provide food for the chipmunk, and the berries and flowers will provide food for birds and chipmunks. The more animals invited to the system, the emergence of more of their corresponding predators, such as foxes and ferrets.
Nature’s Trojan Horse

Nurturing an ecosystem for nature within the embellishment of human perception.

Invasion Process

The "invasion" begins with the initial location.

It expands as Chipmunks germinate the maples and Ivy through its excrement in Central Park. The central drive that penetrates the central park also acts as another factor to distribute the mesh that reveals pollution from the cars immediately.

With the system’s ability to absorb pollutants and form a new ecological landscape,

the "Nature’s Trojan Horse" "invading" into the central park uses the plant’s embellishments as camouflage to pursue their needs.

The need to absorb pollutants and revitalize the ecosystem.
My project is Infla-ecture, street as cultural space. Now Streets are the Territory of cars and drivers. They are underutilized. But how could we make it better for cultural spaces? Through studying how existing open streets are transformative and addressing Jackson Heights residents’ demands for cultural activities, the project uses inflatables as a new medium to activate spaces along the street. Thus, comparing to the gallery and theater, street could be more active if placing some objects for people using.

So, when I give artists frames or stages and create the vibe for them, people will be attracted by them and stop to watch their works. Inflatable are very light and easily to move them. And it could placed on the street very quick for the temporary events. My concept is using the inflatables for different activities and place them on the street for creating a better cultural space. Base on these, rope knotting and a design dictionary help local residents create their own urban spaces.
Survey Result about Jackson Heights Open Streets

Would you like to see permanent changes to make Prospect Heights Open Streets pedestrian and/or cycling priority corridors?

Activities in Jackson Heights

The Deficiency of Cultural Spaces

Halloween Promenade on 34 Ave

10/31/22
2PM - 4PM

Jackson Heights Art Club

Espresso 77
Enter the site from the west side of the street, the median strip will be broaden for the mini theater, gallery, playground and main theater. On the sidewalk, it will be some small exhibition, lecture space and so on in the dictionary connect with fences, trees.

And on the sidewalk, many of inflatable will interwine to the existing street objects and hold some small events.

And this is the main stage, on the top is more like the theater ceiling to give this space a vibe for performers and audience.

This view is on the middle of the street. Under the apartment will hold a small fashion show for the young residents. And in the middle of the median strip will be a playground for students and residents.
At present, Argentina's agriculture and husbandry have a low efficiency of the raw materials and a poor recycling system that cannot support the new technologies get involved. So our project system is like the diagram on the right side. After getting the raw materials from farm, they will head to the planting lab firstly to develop new technologies like precision agriculture, researchers gathering data of crop and soil conditions, and remote and optimize farms' planting and harvesting.

And then the raw materials also can be transport to material lab for studying how to use them to manufacture the bio-material for building elements, which could reform the building and produce the new façades. Besides, the residue of agriculture materials will made to fodder for husbandry, and the sustainable livestock management lab will focus on how to reduce waste and improve efficiency like how to feeding precisely and improve animal growth.
The project will mainly for 4 parts, office for government, NGOs and companies; park platform and terrace garden; public commercial space; and parking.

This is a large landscape step. Since the original columns were very dense, we removed several original columns to keep the space open and reinforced the retained columns.

This is the upper part of the park, and has a beautiful view. You can see the obelisco stay there. People can interact with animals very well. There are many cute alpacas here.

This is the valley on the second floor. The roof at this part is open for sunlight. At the left hand is the planting space, which is called precision agriculture. These robotic arms can quickly and accurately cultivate crops and promote agricultural automation. The crops produced can be used for study and research.

The planting space, which is called precision agriculture. These robotic arms can quickly and accurately cultivate crops and promote agricultural automation. The crops produced can be used for study and research.
Chinese Zen
Virtual Space Design

Group Work
Instructor: Phillip Crupi
Partner: Runxin Fu, Weiheng Zhao, Chaqun Zhang
Fall 2022 Techniques of Unreal

Through the study of traditional Chinese painting and ancient Chinese philosophy, we hope to achieve the “small see big” in this project, that is, in a part of an object can get the clues of the whole. We illustrate this idea by constructing a potted plant in a traditional Chinese garden. Through the zoom perspective step by step, originally thought it was a boat drifting in the rockery, finally found that this is just a small potted garden.
My project is the Pagoda of Fogong Temple. And I choose the middle part to cut the building, because in the middle part it can show the most structure in the drawing, and the most interesting part of the tower is the structure. After getting some technical drawings, I made the 3D model on the left. And for these 3 plans, the first one is between the 2 floors and their mainly function is to hold the roof and connect the next structure layer, between the column and the upper structure, this tower have double layer of structure to hold the building. And for the second plan, they support the upper floor slab, above the first part.