ZHONGYU CHEN





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INSTRUCTOR

NATURE SCHOOL 01



The aim of this project is to reduce the uneven distribution of rural and urban educational resources by de-signing a public school with a new education system for rural children in Xi'an, China.

DESIGN STRATEGY

The main educational concept is nature education and shared education. The first is to integrate natural elements into the building. Unlike the traditional test oriented education model, nature education focuses on the connection between students and nature and the cultivation of personal abilities. The second is to provide advanced urban education resources to rural children by combining traditional education models and Internet education models.

CURRENT STATUS OF LOW-INCOME PEOPLE

Through the design of a nature-based public school, the design focuses on the



Ou Yi, 2018

Ou Yi, 2018

BODY FIXTURE - The relationship between human and others







The sleeves can be folded 3 inches, and the waist can be folded 1.5 inches inside

The whole clothes are stretchable, and there are folds on the sleeves, shoulders and waist, which can be unfolded when they grow up







The clothes are divided into functions. Because the students live on campus and often have outdoor activities, a vest is added to the ordinary shirt to hold various items, such as water cups, notebooks and pens.





Meaningful photos

The school will give every new student a pure white uniform. At the end of each semester, students can choose to print two or three of their favorite photos on their clothes, or they can also print a paragraph. The school will help them design. In this way, every school uniform is unique, and students' experience will be recorded on the uniform and this also gives the uniform more meaning.





The attached vest and shirt are connected by buttons, which makes it easier for students to wear and take off. Students can personalize the shirts inside. For example, they can print a picture of an AR video about themselves on their clothes, so that when they want to share their experiences with others, people can scan the patterns on the clothes through their mobile phones to watch the AR videos. (What needs to be added is to protect personal privacy. Everyone's AR video has a password, and the video can only be watched with the consent of the video.)



PRECEDENT STUDY, big concept, nature education

The Saunalahti School in Finland

The Finnish classrooms have the following characteristics: learning inclination, humanization, modernity and technology, flexibility and openness.

- 1 The school aims to encourage non-traditional classroom set-tings and various group learning.
- 2 The school is more supportive of students learning outside the classroom
- 3 The classroom and the class-room can be combined together.

4 Teachers have a lot of free space in the layout and design of the classroom, and they can dress up the classroom in accordance with their own educational concepts and teaching needs.







PRECEDENT STUDY, detail, program design Lan-Tian Elementary School

With limited resources, the school moved the library, which was originally located far from the classrooms, to a place near the classrooms. Two idle classrooms were combined and renovated into a new reading space.

Multifunctional structure, one side is a blackboard, the other side can be used as a bookshelf.

Flexibility of space







The atrium is a place where students gather, a I lowing a lot of sunlight to enter the room. Adequate sunlight is good for students to read and rest, so a large staircase with a resting place is designed and there are bookshelves on both sides of the stairs. There will be gaps or protruding parts between different classrooms, and these spaces can be used to grow plants. Increase the utilization rate of space, and can create some additional programs such as lounge or printing room.



KEEP DANCING 02

PROJECT BRIEF

Design a dancing school for African Americans in Brooklyn, and integrate African elements into the design to give users a sense of cultural identity.

DESIGN STRATEGY

Bring different aspects of African culture into the design, such as African symbolics, colors, and plants. Dance, representing the interaction between people, is an important part of African culture. Therefore, warm colors and baobab trees, people will carry out collective activities around it, are the main application directions, bringing the natural culture of Africa into Into the room. Add African masks and paintings on the side walls to enhance cultural elements.

INSTRUCTOR

JACK TRAVIS

PRESCEDENT STUDY - LIGHT AND SHADOW RESEARCH

WORKSHOP RICOSTRUZIONE ARCHITECTS: MARIO CUCINELLA ARCHITECTS YEAR: 2018 REGGIO EMILIA, ITALY



Community symbolic landmark. The dance school facade is woven with wood veneer. The curved external shading system provides shading while maintaining the overall simplicity of the building. The package on the facade also forms two small garden terraces, which helps to shield the internal space and ensure the privacy of the classroom. Not only that, but the unique facade form also echoes the traditional weaving craftsmanship of the region and reflects the location of the dance school between the city and the countryside. At night, the building is lit like a lantern, warming people's hearts, and unique architectural elements become people's visual focus and symbolic landmarks.

Create African patterns with shadows where there are no patterns

DESIGN PROCESS -BAOBAB TREE STRUCTURE

Technique -- Glulam

Glued laminated timber, or glulam, is a highly innovative construction material. ... Glulam is a stress-rated engineered wood beam composed of wood laminations, or "lams", that are bonded together with durable, moisture-resistant adhesives. The grain of the laminations runs parallel with the length of the member.

This tree structure not only represents the baobab tree, but also projects the adinkra symbol onto the ground and side walls in the form of light and shadow, which well reflects the african culture





FRONT VIEW



TOP VIEW



DOWN VIEW



RENDERED PERSPECTIVE-- KITCHEN

What does a baobab tree symbolize? As distinctly African symbols, Baobab trees aren't just known for providing shade and nourishment but they're also a central part of traditional legend and lore. It is believed that kings and elders would hold meetings under the Baobab tree, with the belief that the tree's spirits would guide them in decision-making.

The structure of the baobab tree is set in the central area as a place for people to gather, and opening at the top of this area not only allows more light to enter the room, but also allows light to combine with this structure to produce light and shadow effects.



FIRE+ CHARCOAL CAFE ₀₃

INSTRUCTOR

PROJECT BRIEF

Set up a cafe under Aspen Mountain to provide a resting place for skiers.

DESIGN STRATEGY

Starting from the local cold environment and the needs of skiers, stoves are set up indoors and outdoors to allow users to resist the cold. The colors are inspired by warmtoned paintings, Snow Effect on the Street in Argenteuil. Outdoor landscape stones can protect the privacy of users, allowing them to enjoy the scenery and feel safe.

MATERIAL RESEARCH - SHOU SUGI BAN









Colorfastness Fire resistance Stain Resistance Water Resistance





Rational

-Mode of perception: Surface mode and volume gives a warm feeling in the cold weather.

mode -This wood has the characteristics of fire resistance, anti-corrosion and insect resistance, so it can be used as a building material for the furnace inside the house. The whole material is made of fired, which Procurement - Lumber is cut from Douglas fir and oak trees located in the Netherlands. Processing in Japanese cities including including Naoshima, Tonosho, Shodoshima, Takamatsu and Sakaide. Purchased by European companies, and mainly available in the US -Delta, a European company, is the local representative for Shou Sugi Ban. -Standard thickness is 0.8" and minimum width is 7". -The cost of Shou Sugi Ban is about \$8 per minimum standard, and the installation cost is \$15/sf. Installation Methods -The wood can be used for cladding, siding, fences and furniture, in interior and exterior applications. -Mainly installed on the wall or on the floor. CONTRACT VALUE CARDS BURNA BRUSH KENCHY HIGH

PG

MATERIAL RESEARCH - DINAMIC.CCC







Fire resistance Impact Resistance Stain Resistance UV Resistance Frost resistant



DINAMIC.CCC

Rational

-Mode of perception: Surface mode

-This material has a strong hardness and sound protection, so it can be used to build the exterior of the

cafe. Good sound protection ensures that the cafe shop's environment does not cause an avalanche.

Procurement

-Using a combination of fine cement and glass fiber in chopped fiber, continuous roving, and fiber

mesh, the sheets are created in continuous forms. This technology is mainly used in Dinamic.ccc

which is located in Netherlands, so the materials are mainly purchased on the company's website.

-Dinamic.ccc is the local representative.

-Max 1.250 x 3.600 mm, Minimum thickness is 10mm

Installation Methods

-Applications are for exterior cladding of residential, commercial, and institutional buildings.

-No structural support needed,

-The material properties of GRC depend on the production method. The DinamiC•CCC panels are

made by using the patented automated continuous process technique.

With this process it is possible to combine the patented matrix with a special reinforcement

composition. Herewith a mixture of fibres is applied consisting of chopped fibres, continuous endless

"rovings" and fibre mesh. This so called "cocktail-technology" is especially developed for the

DinamiC•CCC products.

MATERIAL SCHEMES COMPARISON

Scheme A

Olfactory: Earth, Rose, Vanilla

Haptic: Oil

Gustatory: Chocolate pudding, Avocado, Beef Gravy

Visual: Oil paintings: Vermeer, Jean August Dominique Ingre

Auditory: Wagner, Beethoven, Music in minor Key

Scheme B

Olfactory: Rain, Pine, Lemon zest

Haptic: Sand paper

Gustatory: Lime Sorbet, Cucumber, Sauerkraut

Visual: Watercolor Paintings: Chatles Demuth, John Singer Sargent

Auditory: Mozart, Vivaldi, Music in major Key

MATERIAL PROPOSALS & FURNITURE SELECTIONS



Antique Heart Pine, Interior Furniture
Flat Cut Teak, Exterior Furniture
Siwer Travertine, Exterior Floor
Chiseled Finish, Stone, Interior Wall
Pietra Dorata, Stone, Interior Wall
Heart Pine, Interior Floor
Wool Carpet, Interior Floor

8 leather, Brown, Furniture Cushion 9 Fabric,Vinyl 83%, Polyester 17%, Furniture Cushion 10 Pattern: Zenith, Color: Honey, Curtain 11 Heath Ceramics, Restroom Wall 12 Handmade Ceramic Tile, Restroom Wall 13 L'antic Colonial, Restroom Wall

CLIENT PROFILE AND SITE INFRO

CONCEPT COLLAGE

INTERIOR:	
Reception / Host	1
Bar / Counter Service	1
Mail / Deliver	1
Pantry / Kitchen	1
Powder Room	1-2
Server Station	1-2
Storage	1-2
Seating	25-35

COVERED TERRACE: Lounge Seating Cocktail Tables Planter Sculpture

LOWER TERRACE: Lounge Seating Sculpture Planter



OWNER: Ms. Brown Gender: Female Age: 45 Personality: nice and helpful Hobbies: skiing and photography

Ms. Brown graduated from Pratt Institute and went back to her hometown, Aspen. When she was a child, she dreamed of having a cafe on the Aspen Mountain for people to have a rest and enjoy the beautiful view of the mountain so she opened this cafe when she got back.

USER GROUP: People visiting Aspen and local people as well





After-ski activities

Snow Mountain is closed at 4 pm. People will carry out various activities after the snow is over. There are many different kinds of restaurants under the snowy mountains, such as American, Italian, Japanese, etc. People will go to these restaurants to eat. The restaurant on the top of the hill will continue to open until 10:00 pm after the snow mountain is closed. Some people will choose to watch the sunset. Members of the Snow Mountain Club will hold various parties. Many people also decide to go to the coffee shop to rest. Some tourists from other places will want to stay in a hotel under the snowy mountains, while another part of the tourists will drive away. Snow Mountain is closed at 4 pm. People will carry out various activities after the snow is over. There are many different kinds of restaurants under the snowy mountains, such as American, Italian, Japanese, etc. Some people will choose to watch the sunset. Members of the Aspen Mountain Club will hold various parties. Many people also decide to go to the coffee shop to rest.



- POSITION OF CAFE





Snow Effect on the Street in Argenteuil, Claude Monet, 1872, Musee Marmottan





RENDERED FURNITURE PLAN







BOOK FOREST

INSTRUCTOR MARC SCHAUT

PROJECT BRIEF

Redesign the Brooklyn Library to improve the efficiency and comfort of the space.

DESIGN STRATEGY

Arranging the bookshelves from low to high creates a jungle feeling and can guide users from one floor to a higher level. The straight line book shelf combined with the semicircular structure of the site creates more viewing angles for the space. The public area is separated from the private area to protect privacy while ensuring a good user experience.

FINAL FURNITURE CONSTRUCT

CONCEPT COLLAGE





The main purpose of my final model is to allow people to have a more comfortable experience while standing or sitting and reading. This is a wearable chair, the front part of the chair can be tilted forward, and the user can read the bookshelf in the upper part of the front. The lower half of the front side can be used to store books. And there is a small light on the top of the front side to ensure that the user has enough light. At the back of the chair is a movable chair cushion that is designed to sit on the cushion while the user is sitting on the floor. And the user can unfold the main body of the chair to use more space and the device can provide good privacy.

FLOOR PLANS & SECTIONS

FIRST FLOOR









THIRD FLOOR



The bookshelves have different heights, which are placed from low to high, which can reflect the layering. Some bookshelves extend from one layer to the mezzanine or two layers to support. The stairs are hidden behind the back high bookshelf. The second and third floors use a similar principle to a circular staircase. The front is the computer area and the rest is the rest reading area.

which gives the reader more visibility and more light in the room. Another benefit of exposing the bookshelf is that it is very flexible. If the room is too exposed, you can put more books on the bookshelf to isolate the space. Water glass is placed on the reading table on the first floor, and there is a linear light under the water glass. There is a stepped chair around the first floor with a cushion placed on it. There is a group meeting place in the lower left corner and a bar in the lower right corner. The wine rack also uses the same principles as the summer vacation.

RENDER VIEWS









FLOAT 05

INSTRUCTOR

PROJECT BRIEF

Design a four story retail store. Break the traditional concept and show the brand effect.

DESIGN STRATEGY

Starting from how to lead customers upstairs, try innovative staircase design. Inspired by "phantom", it creates a feeling of floating upwards and a sense of mystery, which arouses the curiosity of customers to go upstairs to find out. Place clothes display racks around the "phantom" structure to increase the brand's exposure.

CLIENT RESEARCH -HOUSING WORKS



Housing Works operates several enterprise businesses including acclaimed Housing Works Thrift shops anf the Housing Works Bookstore Cafe. Together these businesses help provide crucial funding towards Housing Works mission in addition to providing employment opportunities to the community.

DESIGN PROCESS





HOUSING WORKS' BOOK STORE ANALYSIS





HOUSING WORKS' THRIFT STORE ANALYSIS

For over 25 years, Housing Works has addressed the needs of over 30,000 individuals that other organizations deem "too challenging" to serve. Based on a harm reduction framework, our programs are both holistic and empowering. For example, we provide housing, healthcare, job training, legal services.

STUDY MODEL

SECTION MODEL





The interior is filled with a curved structure, which guides customers to go upstairs. The curved structure also makes the interior space more flexible, and can be used as a fitting room and shelf

Inspired by the curved structure, a translucent spiral "phantom" like structure was created and wrapped around the stairs to connect the 4 floors. The whole structure gives people a floating feeling and creates a sense of mystery, guiding customers upstairs to find out.

AXO DRAWING



CIRCULATION DIAGRAM











FLOOR PLAN, RCP, AND SECTION DRAWINGS







JAZZ TIME 06

PROJECT BRIEF

Design a culture house for the residents of Copenhagen, providing activities and entertainment for nearby residents, people of all ages.

DESIGN STRATEGY

The program is designed based on the cultural life of the local residents, and the space is for gatherings, concerts, and reading. The side walls are made of transparent glass, which provides plenty of sunlight and a good view, connecting with the adjacent park. To cater to the local leisure life philosophy, a large number of curved structures are adopted to provide a sense of comfort and rhythm.

INTRODUCATION

The site is located at the entrence to Falledparken. Two buildings, one is a monumental sanstone post office and the other is a concrete modular, are connected by a transparent stair and elevator tower in glass. The mezzanine floor is designed to be a cooking school for 20 children and 2 instructora, and the first floor should be a library and flexible space. Based on the culture house concept, I am planning to design a place with wide view, comfort and safety.

Inspired by the shape of the plant, the curvilinear structure is added to the original cuboid building, and the elements of nature are integrated into the building, which not only makes the building more vivid, but also creates more outdoor space for people to do the outdoor activities. The interior also uses a lot of curved elements. Considering that many children will come to this building, curved furniture can ensure thier safety. The circulation will also become more diverse as the structure changes from a linear element to a curved element.

Because there is a slope on the ground, the balcony width of the mazzanine floor should allow people and vehicles to safely pass underneath.









PG



PERSPECTIVE DRAWINGS AND LIGHTING Mezzanine Floor









First Floor











INSTRUCTOR

COLOR POWER 07

PROJECT BRIEF

By comparing the works of artists from different cultures, we explore colors and their influence on cultural interpretation.

DESIGN STRATEGY

Mainly from the geometry, color, and three-dimensional or plane of the artwork to compare, understand the content that the artist wants to convey through his special technique. Finally, make a similar work of art based on my own understanding and knowledge learned.



Aaron Douglas American, 1899 - 1979

PG

Aaron Douglas, widely acknowledged as one of the most accomplished and influential visual artists of the Harlem Renaissance, was born in Topeka, Kansas, on May 26, 1899.

Aaron Douglas pioneered the African-American modernist movement by combining aesthetic with ancient African traditional art. He set the stage for future African-American artists to utilize elements of African and African-American history alongside racial themes present in society.









In 1936, Douglas was commissioned to create a series of murals for the Texas Centennial Exposition in Dallas. Installed in the elegant entrance lobby of the Hall of Negro Life, his four paintings charted the journey of African Americans from slavery to the present. Considered a leader of the Harlem Renaissance, the cultural phenomenon that promoted African and African American culture as a source of pride and inspiration, Douglas was an inspiring choice for the project.

-1927-

God's Trombones was Johnson's masterwork and a breakthrough publication for Douglas. In his illustrations for this publication, and later in paintings and murals, Douglas drew upon his study of African art and his understanding of the intersection of cubism and art deco to create a style that soon became the visual signature of the Harlem Renaissance.



-1936 -

Into Bondage, 1936

-1979



√incent Willem van Gogh 1853-1890

Vincent Willem van Gogh (30 March 1853 – 29 July 1890) was a Dutch post-impressionist painter who is among the most famous and influential figures in the history of Western art. His paintings include landscapes, still lifes, portraits and self-portraits, and are characterised by bold colours and dramatic, impulsive and expressive brushwork that contributed to the foundations of modern art.



1853-Early Years 1881-1883

> Vincent van Gogh's residence in The Hague during 1882 and 1883 proved to be a productive period in which he continued to hone his technique and explore similar yet fresh subject matter. During this time, he received his first commissions for several drawings of cityscapes in The Hague from an uncle who was also an art dealer.





-The Middle Years: 1884-1887 -

His style changed immensely when he moved to Paris in 1886 and was greatly influenced by the work of the Impressionists and Neo-Impressionists. He began using a lighter palette of reds, yellows, oranges, greens, and blues, and experimented with the broken brush strokes of the Impressionists.

Van Gogh was also hugely influenced by Japanese prints and he painted dark outlines around objects, filling these in with areas of thick color.

Latter Years: 1888 to 1890 _____1890

Van Gogh started to imitate Gauguin's technique of painting from memory during this time which resulted in his paintings becoming more attractive and less realistic. Van Gogh's emerging style saw him emotionally reacting to subjects through his use of color and brush work. He deliberately used colors to capture mood, rather than using colors realistically.

		Extraction & Color Ratio	The Night Café, 1888
	The five-pointed stars symbolize Texas—the Lone Star State—but • also recall the North Star that guided escaped slaves to freedom before the		
This painting was created for the Texas Centennial of 1936, conveys Aaron Douglas's perception of a link between	The shackled arms of slaves, rising from wavelike curves, evoke the transatlantic passage of slave ships.		The painting was executed on industrial primed canvas of size 30 (French standard). It depicts the interior of the cafe, with a half-curtained doorway in the center background leading, presumably, to more private quarters. Five customers sit at tables along the walls to the left and right, and a waiter in a light coat, to one side of a billiard table near the center of the room, stands facing the viewer.
African/Egyptian and African American cultures. He depicts a historical progression from slavery to freedom, and a geographic progression from the agrarian slave or sharecropper labor of the South to the industrial labor of the North.			The five customers depicted in the scene have been described as "three drunks and derelicts in a large public room [] huddled down in sleep or stupor." One scholar wrote, "The cafe was an all-night haunt of local down-and-outs and prostitutes, who are depicted slouched at tables and drinking together at the far end of the room."

Extraction & Color Ratio

COMPARISON

3D INTERPRETATION

Symbolic & General Silhouettes Color gradient



And expressive brushwork





COLOR PALETTE



LOGO



FRONT FOR DIFFERNET PARTS

NUMBER

Front: Georgia bold size: 60

TITLE/TITLE AND HEADERS

Front: Calibri regular and light size: 36

SUBTITLE, LABELING Front: Calibri bold size: 18

Body Text, notes, statements Front: Calibri regular size: 14 Front: Georgia Lorem Ipsum Lorem Ipsum

Front: Calibri

Lorem lpsum Lorem lpsum Lorem lpsum

GRAPHIC STANDARDS -- GRIDDING (PAGE: 9,5 X 19)



















Zhongyu Chen

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SKILLS

Rhinoceros Enscape Sketchup AutoCAD Adobe Suite Microsoft Office Final Cut Pro Google Suite

lasercut 3D Printing Model Making Wood Shop Hand Drafting

EDUCATION

Pratt Institute Brooklyn, NY, USA Expected in 06/2021 Bachelor of Fine Arts: Interior Design

Danish Institute of Study Abroad Copenhagen, Denmark 01/2020 to 05/2020 Study Abroad Program: Interior Architecture

WORK EXPERIENCE

RUIJIE furniture company Shaanxi, China 07/2019 to 08/2019 06/2020 to 08/2020

CONTENT OF WORK

Help the company research new furniture trends, light luxury, and find the future development direction of the market.

I went to Guangzhou in 2020 to participate in CIFF, China Furniture Fair, with the company's employees to learn about newly developed home furnishing products and newly generated interior design concepts.

Site research Material sourcing 3D and physical model making Perspective rendering

INTERESTS

Video clip - vlog production and movie editing FPV Drone - aerial photography and video recording

LANGUAGES

English - able to communicate and write fluently Mandarin



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IFETAYO CULTURAL ARTS CENTER

Dance center

507 Flatbush Avenue, Brooklyn, New York

The project solved contemporary social and cultural problems through the design of the dance school. Enhance the cultural identity of African Americans in Brooklyn and add office space for Brooklyn's cultural and educational

organization Ifetayo.



Atrium - space for gathering and meeting



Kitchen



- 01- Steel
- 02- Wood
- 03 Concrete
- 04 Terrazzo
- 05 African Fabric

creating a vibrant indoor environment, so i will use some brightly colored materials, such as red, to stimulate people's vitality. combining traditional african materials and patterns.





Section - looking north



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BOOK FOREST

Brooklyn public Library

25 4th Avenue, Brooklyn, New York

The project solved contemporary social and cultural problems through the design of the dance school. Enhance the cultural identity of African Americans in Brooklyn and add office space for Brooklyn's cultural and educational organization lfetayo. The site is a three-story building.



Perspective - on the second floor



Reading area - on the first floor



Bar area - on the first floor

Concept collage



Materiality







, etc

Marble Grey Wood

Saddle sewn binding



Saddle Sewn binding is a book binding technique achieved by sewing together landscape folded pages with a cover into a portrait book. The stitching itself is done on an industrial sewing machine and lies on the spine of the book.

http://texasbindery.com/SingerSewn/index.html



Work

Moodboards

Appreciations

Drafts

Insights





KEEP DANCI 02

PROJECT BRIEF

Design a dance Brooklyn, and inb to give users a se

DESIGNISTRATEG

Bring different design, such as Dance, represent

an important par colors and baoba

activities around

bringngthenatu Add African mas

enhance cultural





PROJECT BRIEF Set up a cafe unde place for skiers.

DESIGN STRATEGY Starting from the I of skiers, stoves i allow users to re: by warmtoned pa Argenteull, Outdo privacy of users, al feel safe.



BOOK FORES' 04

PROJECT BAIEF Redesign the Bro and comfort of th

DESIGN STRATEG Arranging the bc jungle feeling an a higher level. T with the semici more wewing an separated from the ensuring a good i



FLOAT 05

> PROJECT BRIEF Design a four sto concept and show

DESIGN STRATE OF Starting from he innovative stairca it creates a feeling mysterg which an upstairs to find out "phantom" structu



JAZZ TIME 06