PORTFOLIO OF YUENING JIANG

SELECTED WORKS 2021-2022 COLUMBIA UNIVERSITY, GSAPP







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FORMAL & INFORMAL 01

Though as the majority of Flushing immigrants, the seniors' living environment exists problems and the lack of activity space have brought many conflicts. To meet improve the quality of space, we proposed a system along Main Street providing multiple activities in 3 architectural scales due to the current narrow and long lot. The small provide space for senior sport. The medium includes retail. The large is a senior center mixed with muti-generational activities to promote intergenerational communication.

The spatial strategy consists of core, semi-space, and void. Core is the vital element, divided into vertical-circulation and senior-activity core. Semi-space is for muti-generations. Using the movable walls, the size and arrangement of space can be easily changed according to multi-generation use. Void is the gap bringing light and ventilation, adjusting temperature in all seasons.

The outstanding performance in thermal and energy efficiency of cross-laminated timber ensures the architecture is in a low-carbon and eco-friendly status.

A Community Chain for Seinor Immigrants

Architectural Design Group Work Site: Flushing, Queens, New York Collaborators: Bisheng HONG, Jiaying QU Instructor: Phu HOANG Date: Fall 2021 2021.9-2021.12





















Indoor - Outdoor Architectural Climate

At the architectural level, this scheme continues and expands the anti-type space of "indoor Street" unique to flushing Chinese drugstore, and linearly connects and folds multiple functions to form a vertical street. On the plane, the elderly friendly public space is embedded into the retail and small business incubation space, and the boundary between the two spaces is weakened to make the elderly feel active. Our proposal is an senior-friendly ecosystem scatter to Main Street for fostering small business and supporting more informal community activities following McDonald's NORC logic.

Morni

Air Flow from South

AA

mal Conditi

















02 Factory as it Might be

A Education-based Printing Factory

The printing industry always has its vitality in the city of New York. From the newspaper printing of Times to the abundance of advertisement boards in Times Square. Printing is always a carrier of ideas, broadcasting, and creativity. While printed products have a greater impact on our daily life, the industry itself is hiding behind, relatively invisible to the public.

Upon knowing the hidden value of public involvement and the possibility of combining the printing industry with creative workshops, we searched for precise agents to link the printing industry to our site. Many facilities near our site have the potential to use printing on various scales, such as schools, cultural facilities, art workshops, and architecture offices. The future printing factory here will be more than a local amenity, but is a gathering space for different communities, support for artists, designers, and educators, an inspiring attraction for citizens to see the hidden printing industry, and a transformative catalyst in the emerging neighborhood near Gowanus canal.

We are trying to propose a new typology for factories and a new role for factories within cities, as an educational amenity, to better serve the local community. To achieve community-factory cooperation, we decide to make a collection of different printing approaches, from traditional paper material to textiles to 3d printing, including large machines and small home-size machines, and reorganize them into different scales. We also propose public workshops for local residents alongside factory work.

Architectural Design Group Work Site: Gowanus Canal, Brooklyn, New York Collaborators: Siyu XIAO, Yinlei PANG Instructor: Mimi HOANG Date: Spring 2022 2022.1-2022.5

























03 HouseFail - Living As Two

A House of Dual Personality

This is a place where two personalities meet. Let each side of me be able to release their energy and land carefully.

The house is built on a cliff on the black beach of Iceland, with one side open to the sea and one side embedded in the rock of the mountain. Strangers can freely pass and traverse the public areas of the entire building, but the owner of the house can decide whether to join them or lock themselves in a cave with a sense of security.

Architecture brings uncertain, fresh and exciting opportunities for social interaction, meeting the psychological needs of extroverted personality, and at the same time creates a comfortable and solitary space for introverted personality.

> Architectural Design Individual Work Site: Vik, Iceland Instructor: Dan Wood, Maurizio Bianchi Mattioli, Nuar Alsadir Date: Summer 2021 2021.6-2021.8

How does one know oneself? Two personalities in this world.

A party girl and a nerd. A delirious actor and man with a social phobia.





Colorful spots splashed on the black and white background, making them almost invisible. Overlapping allows the two forces to suppress each other, but they exist at the same time and talk to each other.



CONTINUITY AND INTERRUPTION

The continuous line has gone through a black-and-white-color cycle, and the splashed white spots have become breakpoints, giving new possibilities for the cycle. It can lead to many different interpretations. It can be the birth of a person, after experiencing the colorful world, the man die alone.

UNCONSCIOUS DASHES



THE FUNERAL

The dried flowers were surrounded in a circle around the broken can, and the petals were hanging toward the center as if mourning for the dead can. The purple hues set off a melancholy and heavy atmosphere. Subconsciously, jumping repeatedly in loneliness and excitement.



OVER THE CLOUD

The most emotional materials are cotton, cans, dried flowers, and rubber ducks. This is the epitome of childhood and adult life, symbolizing happiness, softness, perishable time, and fixed eternity.





that has been planned but never reached, the black sand beach is full of imagination and fantasy. It feels divided and broken here. The black beach and white ice and snow make it lonely and pure, but at the same time, the noisy tourists and colorful coats make it full of noise. This extreme purity and extreme hustle and bustle make this place more mysterious and charming.

Place of Breathing Forget Everything Embracing Freedom Reach the sky Making Masterpiece

Observing Other's Life Inventing Food Auditorium Study Pretending Someone Else

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Talking to Strangers Art Collection Enjoying the Horizon Eating Alot



ROCK





SNOW& ICE







CHURCH



TOURIST





FLORA











TOWN

WIND



IO SECTION B-B

















04 Recombinant Urbanism

The armature, enclave, heterotopia of Dongguan

1830 - 1842, the first opium war started in Humen, a small town in Dongguan, initiated china's opening for trade with foreign nations after closing for hundreds of years. Later in 1949, Mao announced the foundation of the PRC after decades of wars. By 1978, Chinese economic reform started, with 9 cities in Guangdong province nominated to be special economic zones in the pearl river delta, meaning these cities have more inclusive policies for foreign investors. Dongguan was one of them. But at that time, it was still a small town, the main industry there was fishing and agriculture. So the benefits of the economic reform policy didn't change the urban context a lot.

By 1985, Dongguan was finally recognized as a city, which means the local government had more funds to support the industrialization of this city. From 1985 till 2021, this small town gradually grew into a modern city with mixe used landforms. Agriculture and modern factories coexist on this magical land. However, compared to those 2 mega cities, Guangzhou and Shenzhen, Dongguan's growth pace are still pretty slow.

In 1997, to make Dongguan more accessible to these 2 megacities, a human bridge was built, and Dongguan turned into a critical transportation hub. Humen bridge soon became the busiest bridge in the whole pearl river delta, and brought a lot of business into Dongguan, like illegal industrial factories and red-light districts alongside the highway that connects Guangzhou and Shenzhen.

Recently, a new policy called big bay area development brought this city back to life. A high-speed railway was built connecting the main cities in the pearl river delta, including Hongkong and Macau.

> Urban Research Group Work Collaborators: Rae LEI, Jiayi ZHAO, Siyu XIAO Instructor: David Grahame SHANE Date: Spring 2022





in 34 years















05 A HYBRID JOURNEY

An Imaginary Spaceship in 3dsMax Rendering

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3dsMax Modeling and Vray Rendering Group Work Collaborators: Siyu XIAO, Santiago ALVAREZ Instructor: Joseph BRENNAN, Phillip CRUPI Date: Fall 2021







