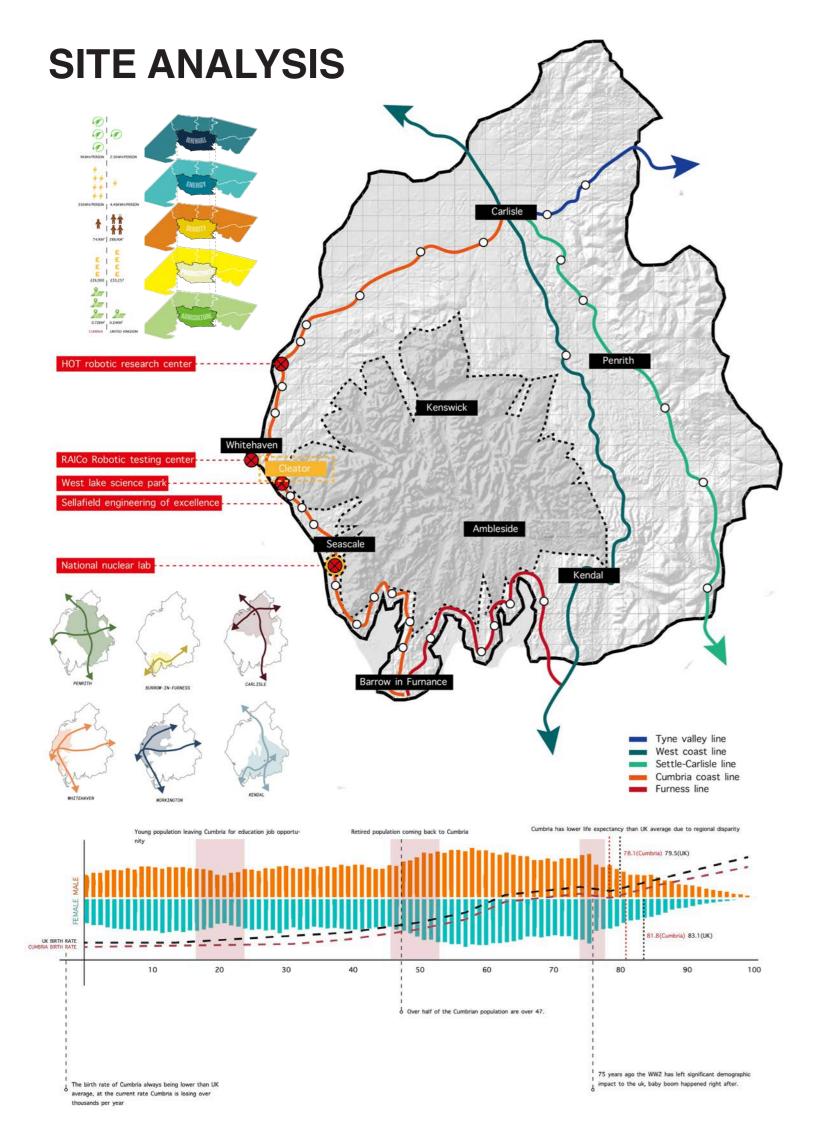
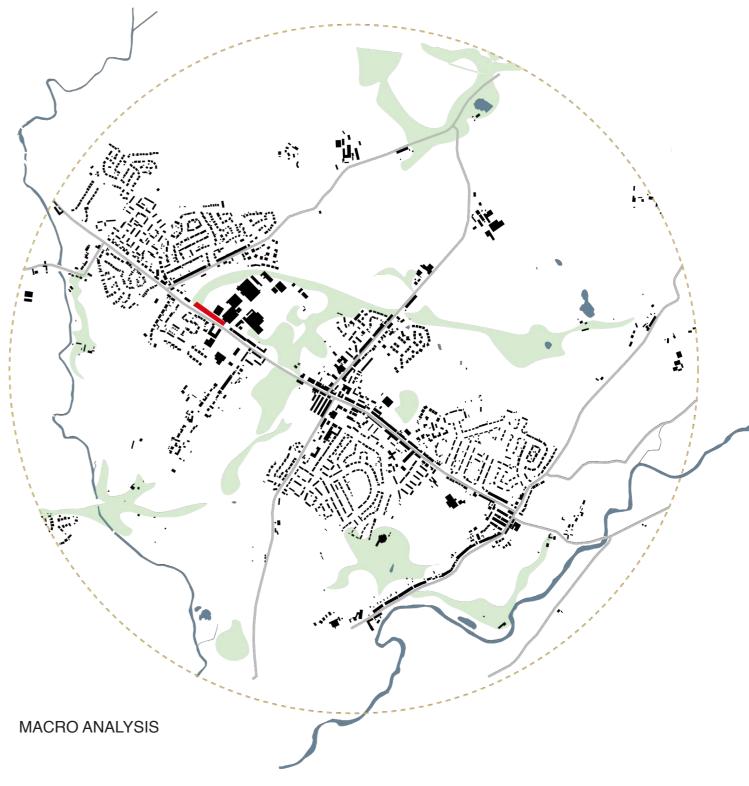




#### A PROJECT OF AI ARCHITECTURE

Symbiotic future is a speculative architecture project that explores the convergence of artificial intelligence, robotics and human centric design with a dynamic, self-evolving built environment. Set in a near future context, the proposal re-imagines architecture not as static form, but as a sentient system---an adaptive, cognitive and intelligent organism capable of learning, transforming and cohabiting with its human dwellers.

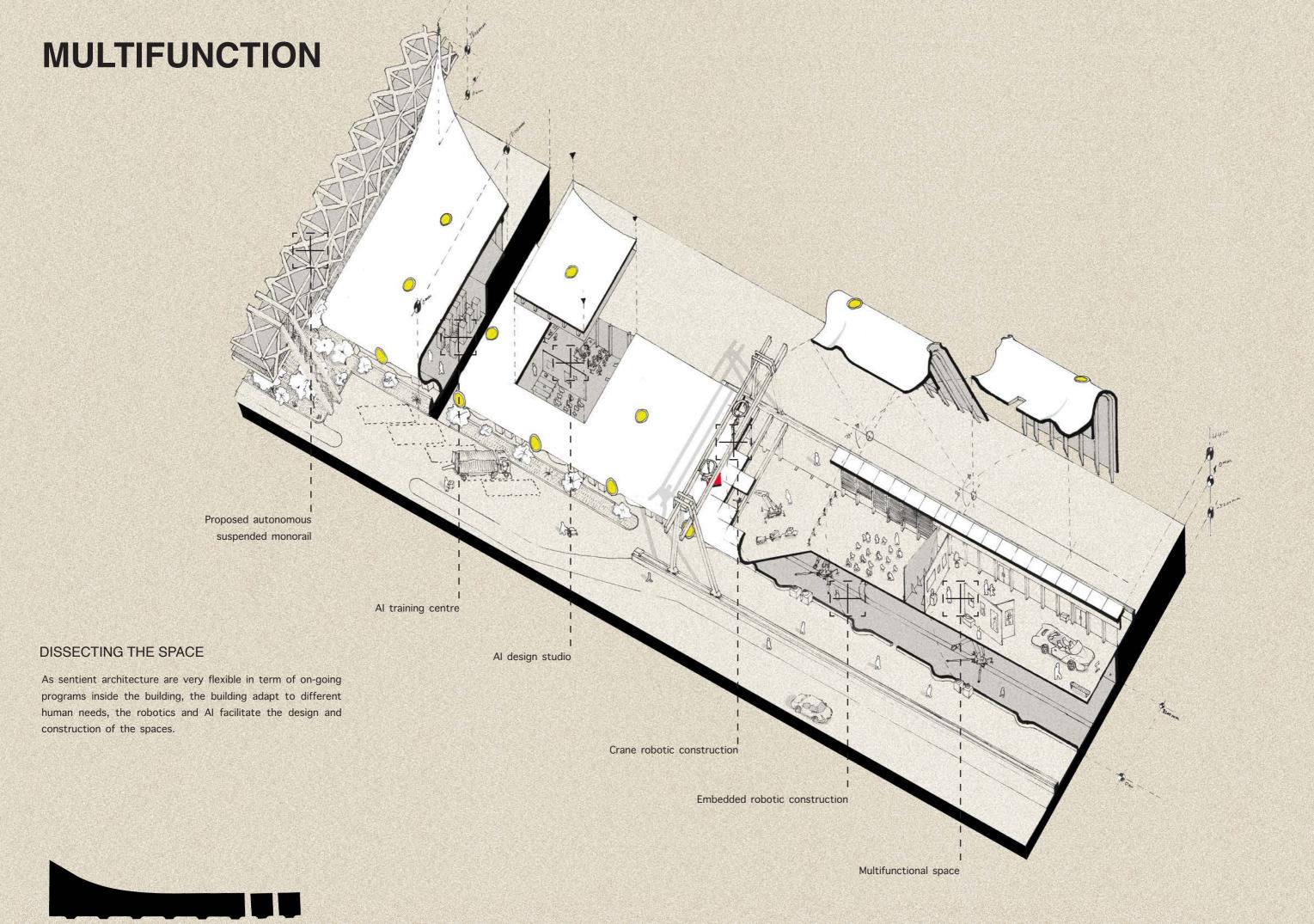




In my third year my school project I have created a high tech Al training center that is going to transport the resource rich Cumbria into a prosperous region.

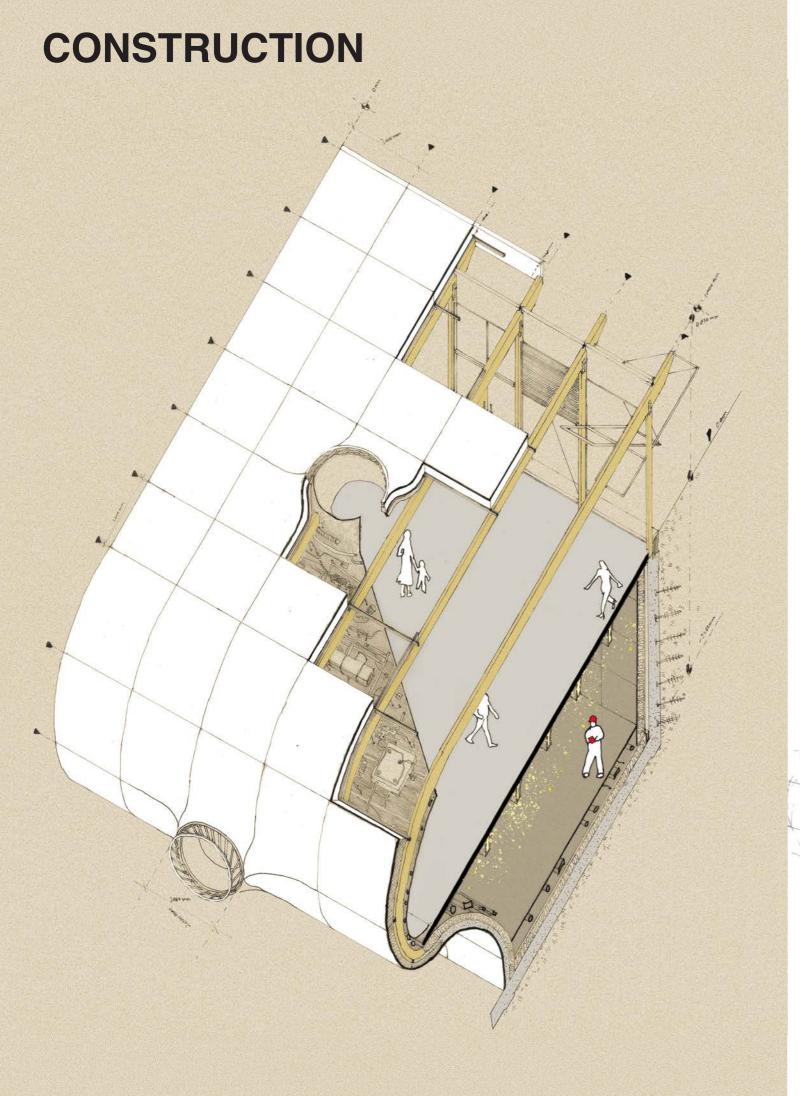
Cumbria is a resource rich, vast but it lacks labour forces, it has existing Sellafield high tech industry which can be turned into more diversified high tech industry.

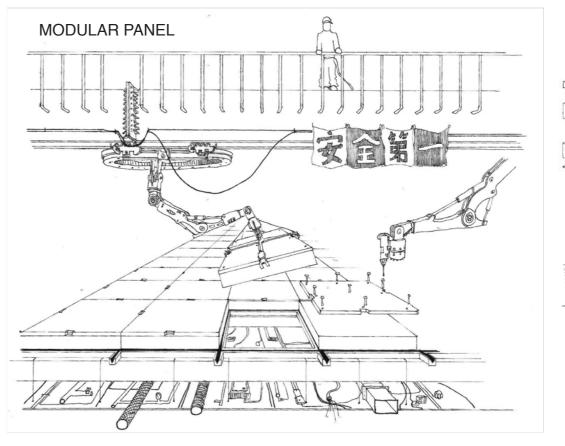
The idea behind my project was to create a zone that fosters the growth of Al and robotics, increasing the productivity of the region by implementing future robotics labour.

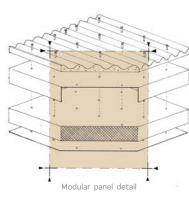


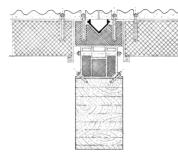
# TRIAL AND ERROR

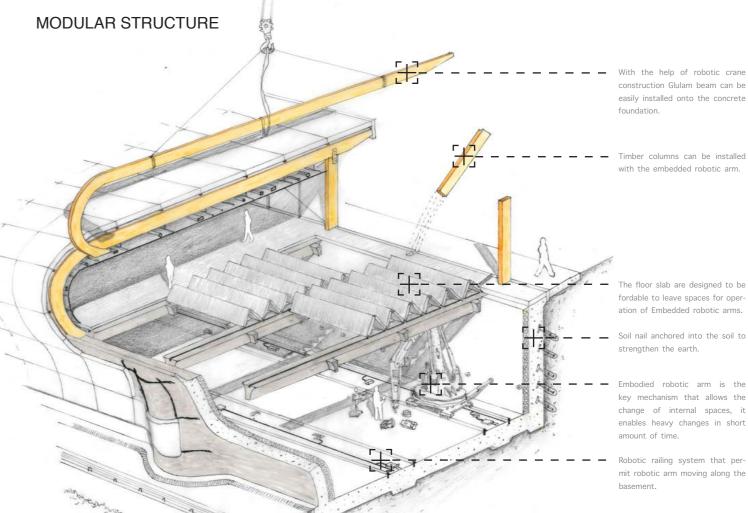












With the help of robotic crane construction Glulam beam can be easily installed onto the concrete

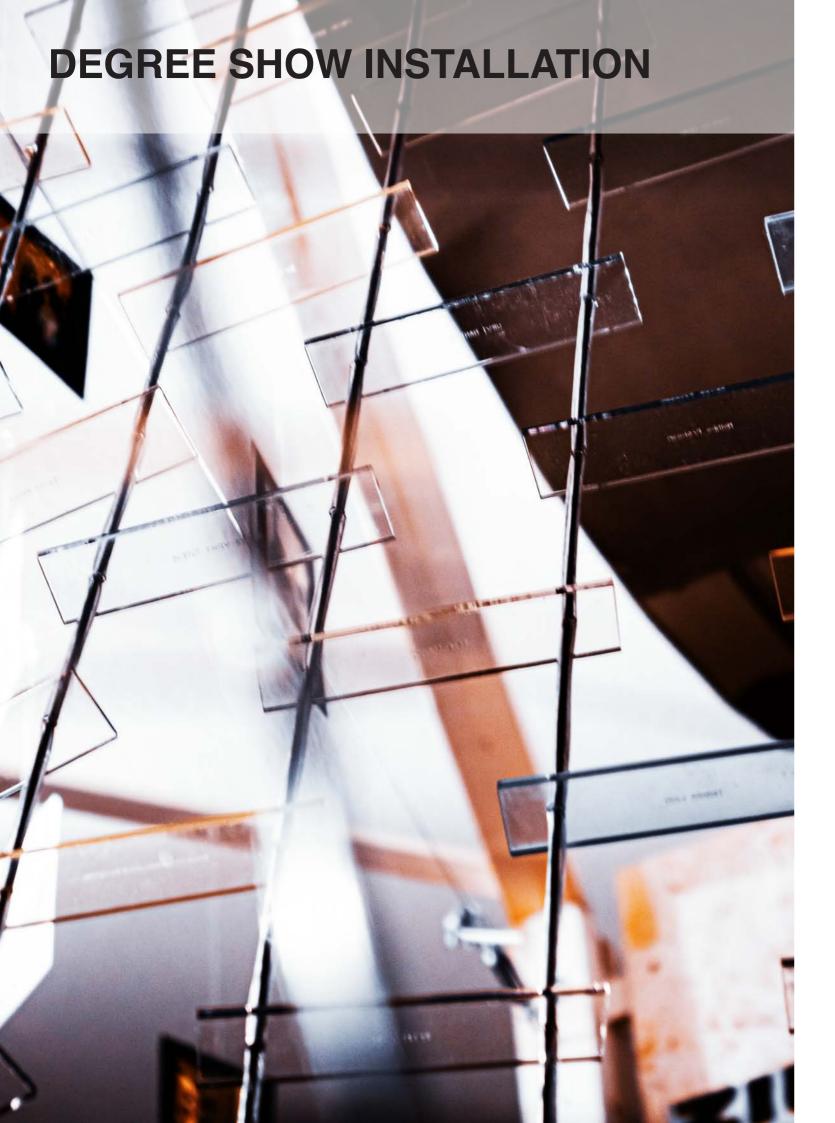
 Timber columns can be installed with the embedded robotic arm.

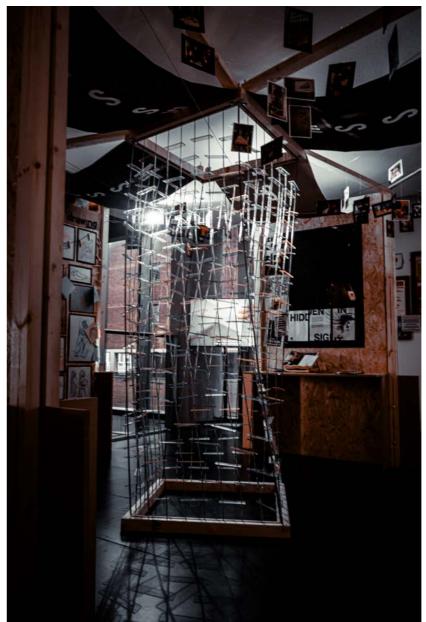
fordable to leave spaces for operation of Embedded robotic arms.

strengthen the earth.

change of internal spaces, it enables heavy changes in short

mit robotic arm moving along the















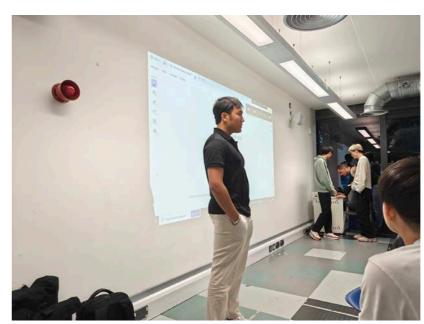


#### FINISHED PROJECT

As a graduate, I wanted to create something ceremonial to all graduates this year, As a student I have proposed an pavilion in our MSA degree show, I gathered a team of 8 people, gained the support from school, designed and constructed this pavilion, timber and steel structure with 324 graduate's name engraved on the acrylic plates, will be given out to all the graduates during the graduation ceremony.

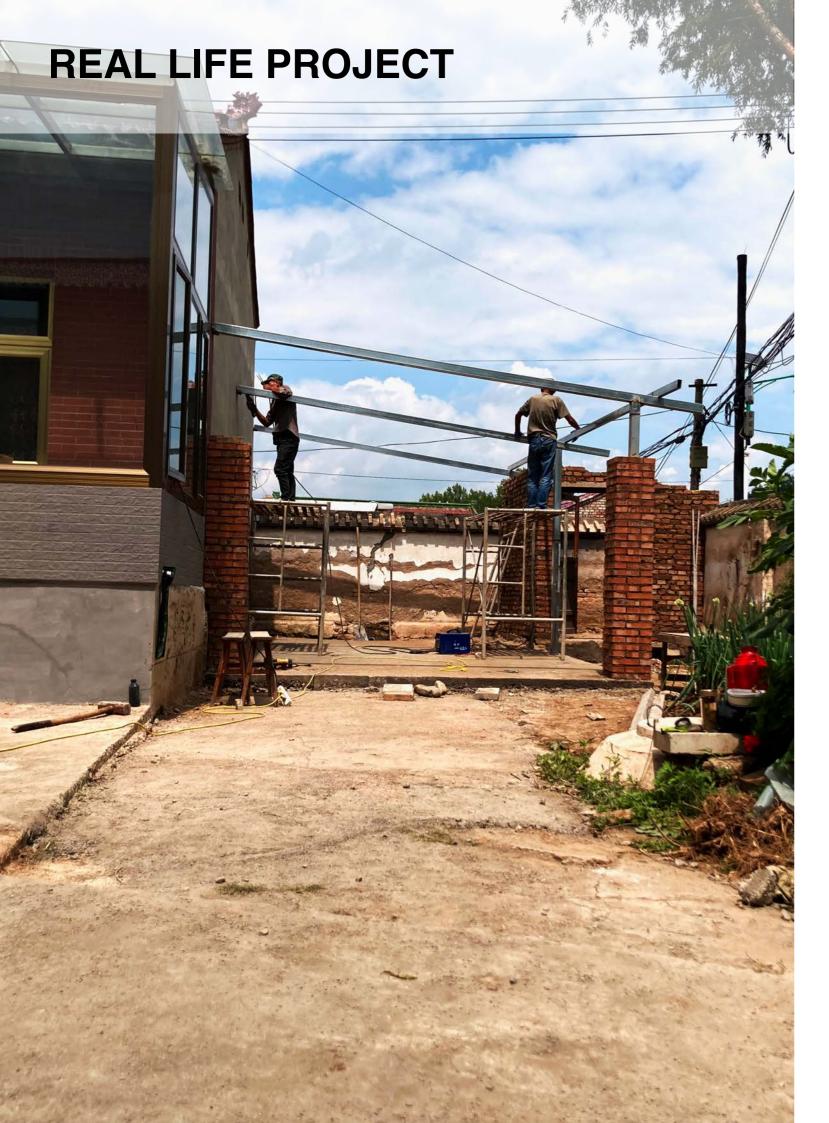






### FINISHED PROJECT

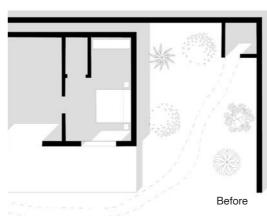
2024 a collaborative team between British, Japanese and Itaian architecture school had embarked a project to design and manufacture the ECC exhibition space pavillion, i had involved and led one of the sub-groups and proposed many leads.

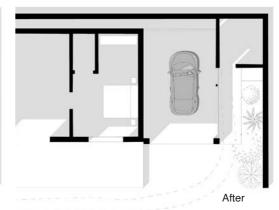










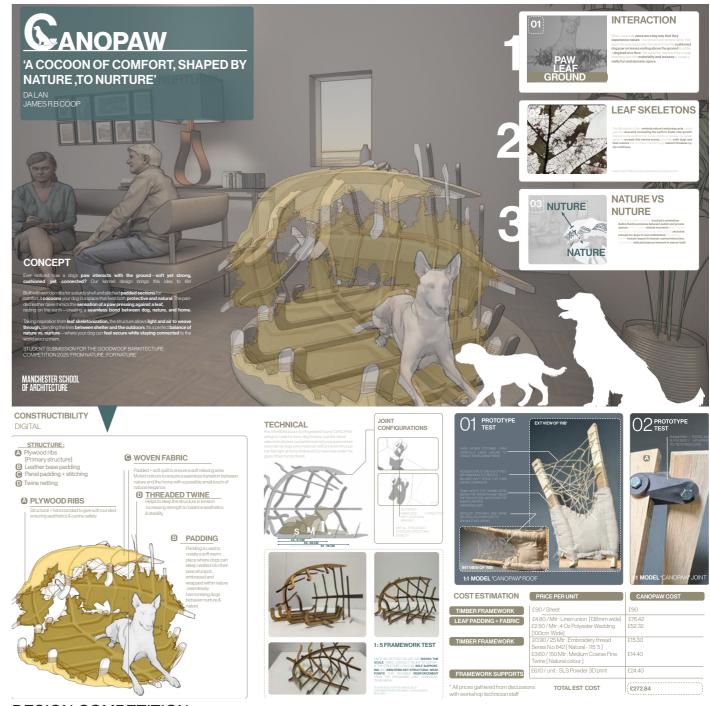




#### FINISHED PROJECT

In 2023 I have been commissioned a project of building a car garage space and expanding existing toilet. The site is located at a rural village in Ningxia China, where my grandfather lives, during the project I had an opportunity to lead, design and participate in the building phase, we had a plan of upgrading the living space for my grandparents, it was planned to have 3 phases of development, including retrofitting kitchen, building a garage and expanding the toilet.





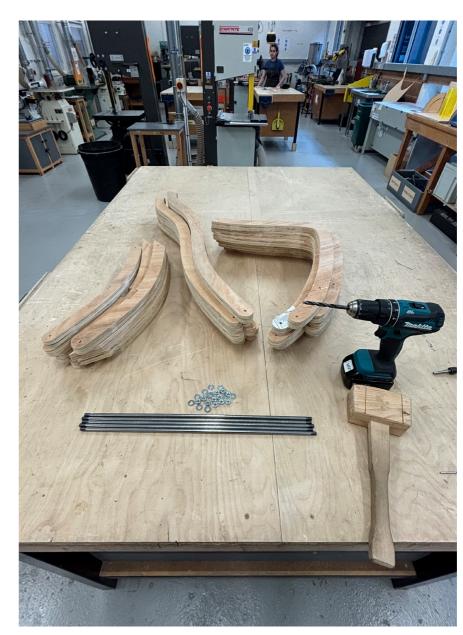
**DESIGN COMPETITION** 

As a team of 2 people we are horned to be the finalist for a dog kennel design competition organized by Goodwood, our design has won the recognition of Kevin McCloud and Duke of Richmond and displayed at the event with more than 20000 people and dogs visiting.

The design propose a god kennel that brings natural environments to urban context through the media of smell from wood, texture from fabric and privacy offered by the form of the fabric.







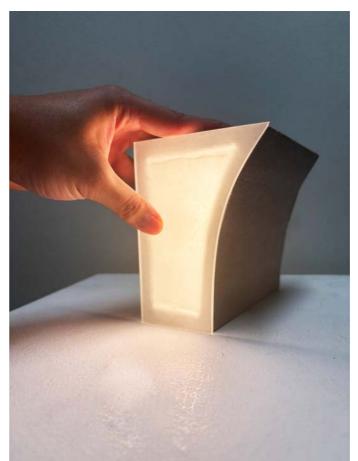




#### **DIVERSIFIED SKILL-SET**

Driven by a passion for full-scale furniture design and a belief in technology's potential to make customization cheaper and more accessible, I embarked on designing and fabricating a chair. The initial concept drew inspiration from ergonomics of human then adjusted to my body, then I took the organic forms from nature. A lots of prototypes has been made from digital model to 1:5 model then 1:1 detail model, this allowed me to validate the design. To optimize material efficiency, I designed the chair to fit all components onto a single 1220x2440mm plywood sheet, leveraging CNC machining for precision cutting.

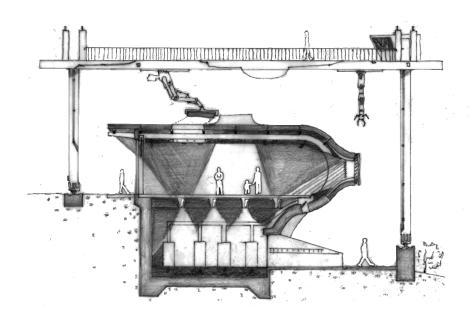






#### INTEREST IN DETAIL

I believe the importance of use of interior design to amplify the architecture design of the building, this light design is a 1:3 model of the lighting strategy used in my "Symbiotic future" project, by mimic the form and texture of concrete beam, this light design can be attached to concrete flawlessly.



## THE END

Check more of my work at:

<u>Landasarchitecture.com</u>