

SCHOOL OF
ARCHITECTURE
BUILDING AND
CIVIL ENGINEERING

Architecture

DEG
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W22



Visionary Thinkers Visionary Creators Visionary Makers

LU-Arc is delighted to share the creativity and originality of our students. We are continually inspired and humbled with the possibilities of our students; their curiosity of the unknown, inquisitiveness for our most complex global challenges and their tenacity to work through ideas.

The end of year show is an important heritage of architecture schools to celebrate and showcase speculative ideas that challenge our conventional approaches to the built environment and brings together a diverse group of people in celebration of our students' tremendous efforts.

The theme of our final year is Diversity. Diversity and difference are everywhere – in people and processes and by extension, in architectural products. Architects engage with a diverse pool of people, but arguably the most diverse group are the users. Diversity is celebrated through student-selection of a design lab with its own distinct approach to architecture.

Laboratory AAA focuses on the social, cultural and economic impacts of the dawn of Anthropocene Age, a geological epoch that marks the commencement of significant human impact on Earth's geology and ecosystems. Laboratory A+A is concerned with the ideas of phenomenology, hapticity and the connection between art and architecture and how these elements merge to form a sensory experience. Laboratory Conferta cultivates curious interventions into social histories, interpreting found objects, buildings, stories and memories to explore how architecture can speak meaning to its users and the wider city. SusLab has a vision of seeking a coherent global sustainable future by exploring how sustainable success will need to prioritise positive social wellbeing and environmental impacts ahead of short- and medium-term economic gains.

We hope you enjoy the diversity of the work as much as we do and join us in wishing them all the very best in their future journeys.

Robert Schmidt III
Head of Architecture



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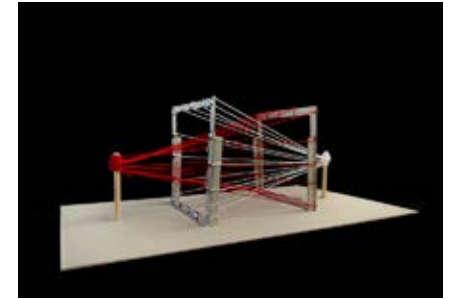
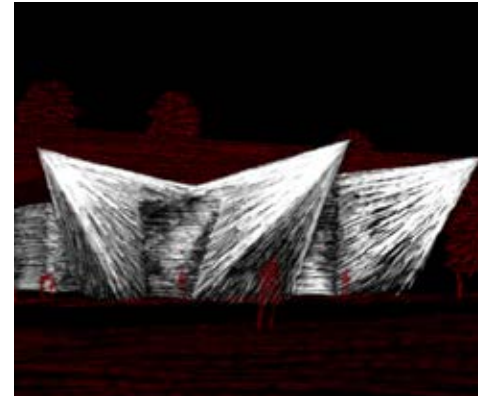
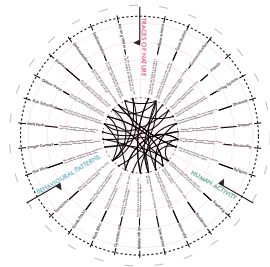
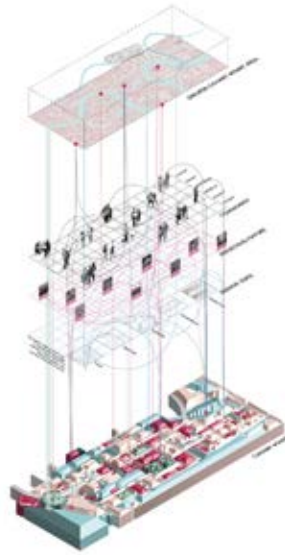
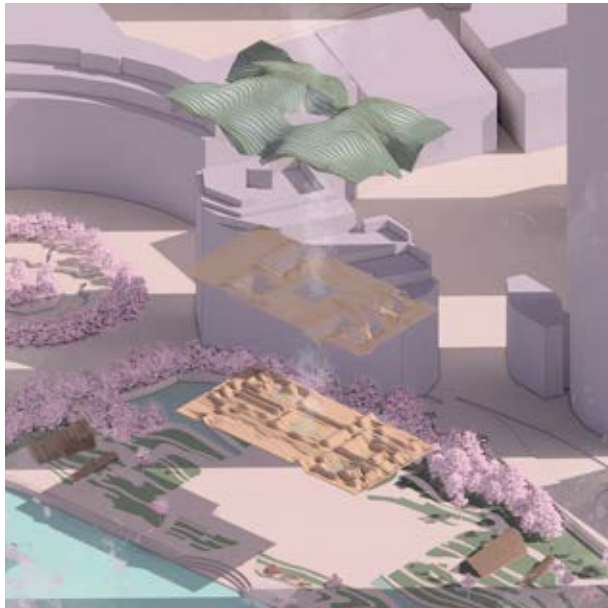
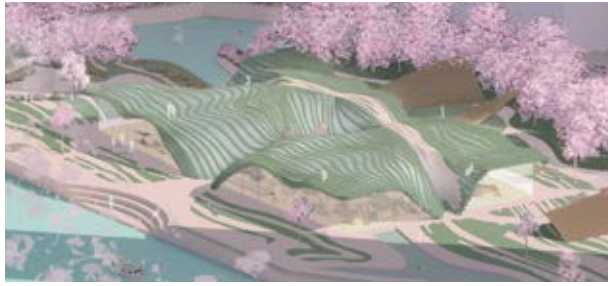


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I am a creative and driven architecture student who thrives in a studio environment. Throughout my architectural education I have developed a number of skills which includes my strong work ethic, collaboration and software skills.

My aspirations after completing my undergraduate are influenced by an ambition to bring positive social change through design. Inspired by the work

of several humanitarian architects, I value the importance of architecture and the impact that buildings have to quality of life to communities. As a result, I aspire to transfer the skills that I have learnt to bring positive social change to communities.



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PROJECT 1

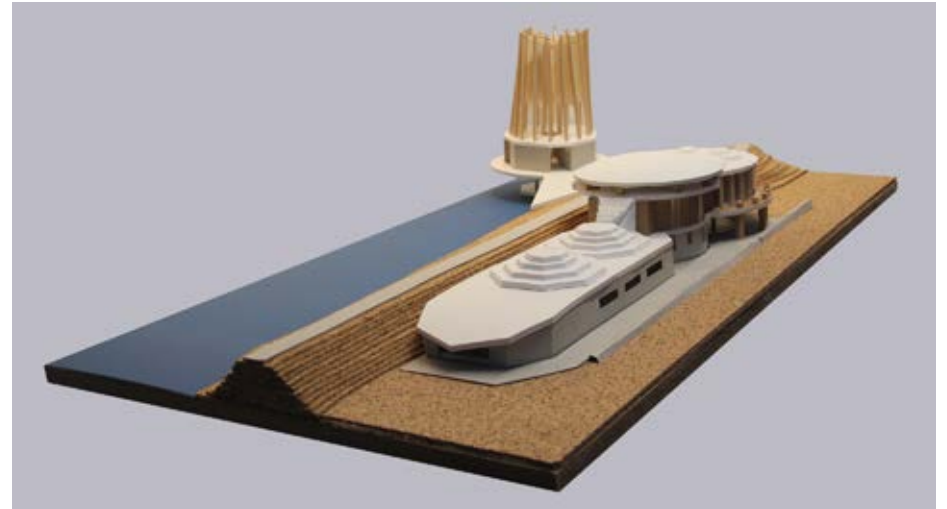
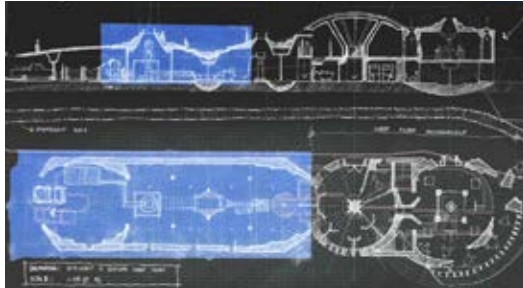
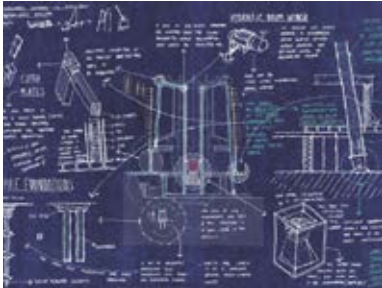
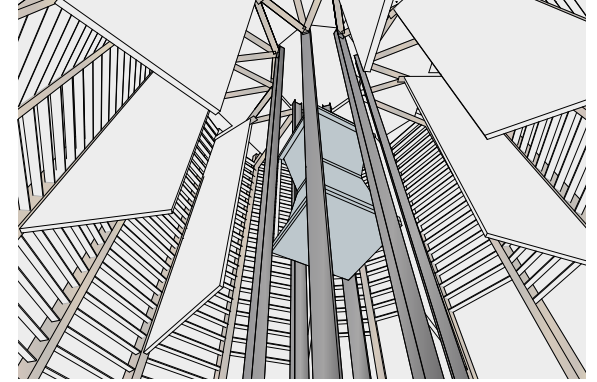
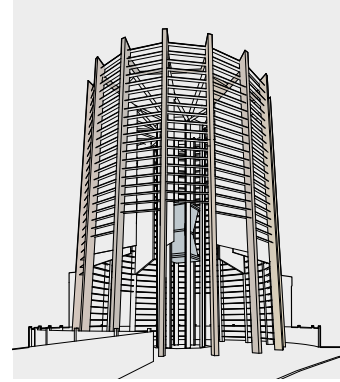
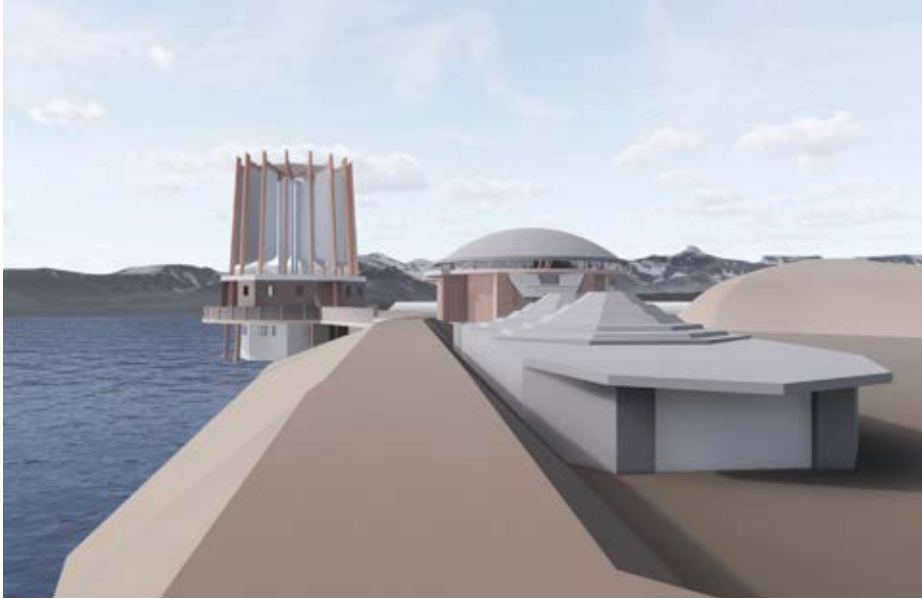
HYDRATING SCORCHED EARTH

Canary Wharf has always suffered from an underpopulated ground plane, with many commuting below and working above. By deploying a bathhouse for the transitional worker, I was interested in the potential to synthesize London's diverse spirit and enrich the site with cohesion, fluidity and insulation.

PROJECT 2

THE SITES OF EMBRACING DISSONANCE

When lead guitarist Tony Iommi lost his fingertips in an accident, he overcame his cognitive dissonance and made his own prosthetics. In the birthplace of Black Sabbath, the Sabbath Centre honours Heavy Metal and its ability to confront challenging topics in a museum that uses dissonance to engage with mental health.



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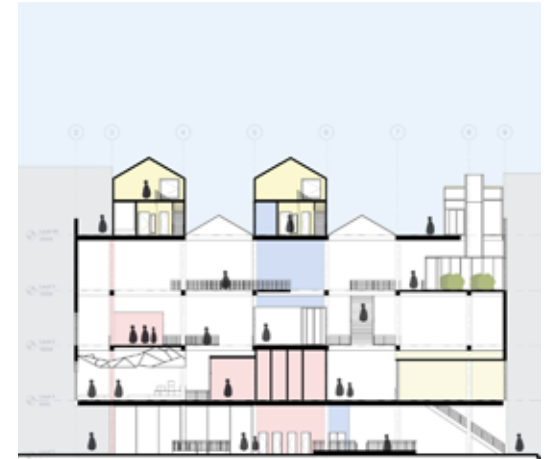
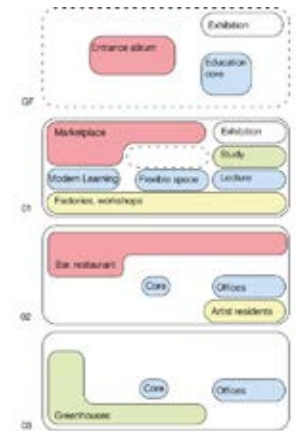
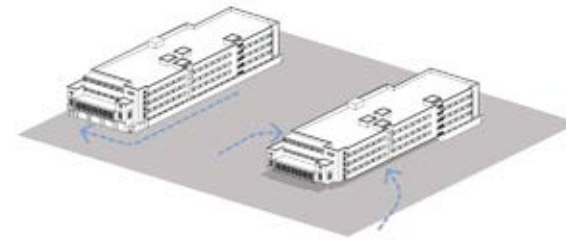
This project was produced during a third year design studio project as part of the Sustainability Lab at Loughborough Architecture.

It focuses on providing social sustainability for a rural town on the verge of flooding, through economic and environmental means.

It proposes a plastics recycling facility, alongside a gravitricity tower to store excess electricity.

I am ambitious with designs that carry strong conceptual narratives through to architectural propositions.

I have gained experience working in practice and will be continuing my studies on the MArch program at Loughborough too.



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Focusing on practicality and functionality, my final year architectural projects have been influenced by the enriching practice experience I gained during my year in industry.

The semester 1 project involved creating a masterplan for the area in Digbeth, Birmingham before reimaging a dilapidated 1930s factory within it. Removing the ground floor façade and floors of the building, exposing the

structural grid, an inviting and airy structure was created.

Filling in certain areas of the structural grid, building functions included a communal workshops, education services, marketplace, exhibition, study area, urban farming and residential units, forming a community and creative hub titled, Bring it in Brum.



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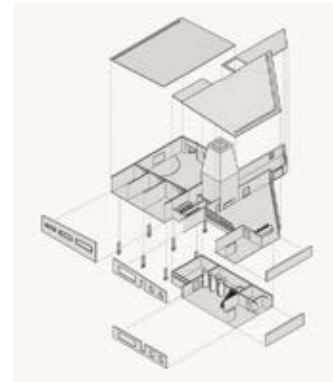


My architectural projects revolve around an interest in historic buildings and conservation. I have strong interest in craftsmanship with the aim to work in historic conservation when I graduate.

My work focuses on the atmosphere architecture can create and how this can be achieved through high quality detailing, lighting and user focused design. I think it is always important to take note

of the heritage of the site and allow this to influence my designs.

The approach I take with my work incorporates a range of mediums to portray my architectural interventions, including the use of lino printing, painting and hand drawn work.



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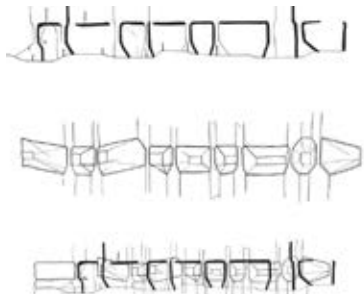
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I have been studying Architecture at Loughborough for four years, during which time I have developed my understanding of the design process through the lens of sustainability.

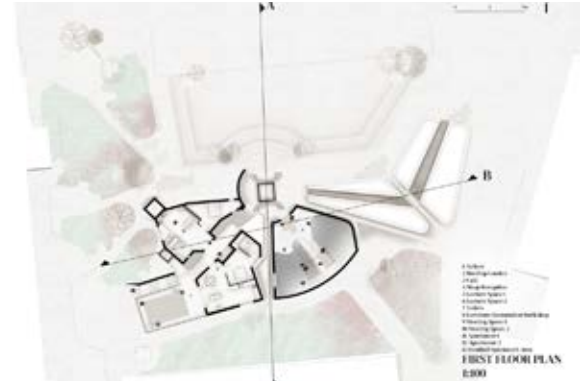
Participating in SUS-LAB, as a part of Design Studio, has given me the opportunity to further develop a holistic approach to sustainability. As such, I am committed to producing and presenting quality design work that is contextually appropriate

and meets the needs of the community. Through my placement year, I developed my ability to balance numerous concurrent jobs and prioritise tasks effectively. I also gained experience in the residential planning sector, which I hope to expand on in future.



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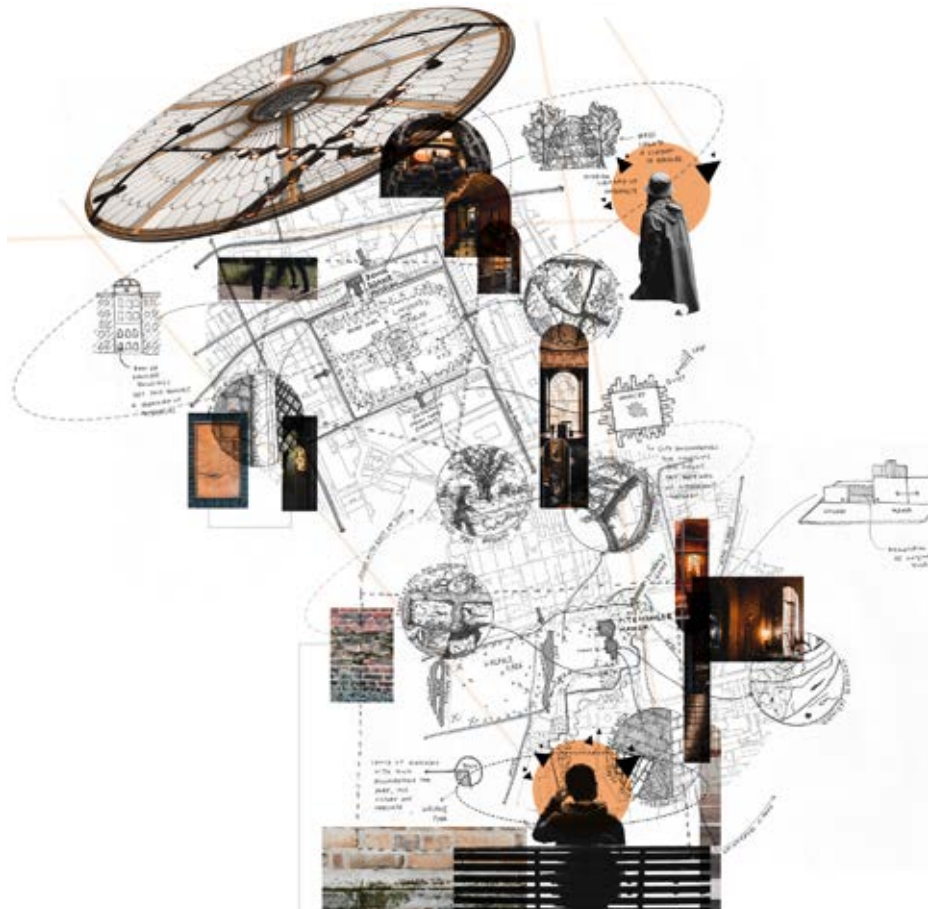


I embarked on the Architecture degree at Loughborough after specialising in 3D design during my art foundation diploma.

Throughout my studies I have developed a passion for socially centered and participatory design. This interest was further nurtured in my placement year, working at a small practice in Northampton where I worked on masterplans and

urban development in a range of delicate social and environmental contexts.

I aim to continue through to my Part 2 degree here at Loughborough, integrating my studies with practical experience in order to become a designer capable of facilitating social change in delicate climates.



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The ethos for this project aims to define the term 'constellation' in our own terms. Through the exploration of the body and its experience, we can create architecture that better narrates the feeling and emotions of people.

It is through elements of framing and lighting that can distil different moods for a person and it is through these that I create a play of senses, a stage for new and dynamic experiences.

The concept for the project comes from the idea of the stage, how Sir John Soane creates his delicate constellations of artefacts.



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This project was produced during the third year of Loughborough Architecture as design studio project as part of the Lab Conferta.

Devising a community owned centre in Hackney that provides the local residents with an ornament, in which they take complete ownership of through street art; and is finally a space that is for the community of residents not the tourists that visit the market.

The concept was developed around the idea of private, community, public spaces, as this building is a private space for the residents. The public part of the building will be only what the residents chose to share and showcase. The community section will be where the activities and the meetings will take place, then the private section will be a safe place that residents have to be together.



TACTILITY

This project is a children's playground and gallery that use tactile interactions to create learning. Creating an adventure throughout the site through both architecture and landscaping is a crucial element, creating an interactive and immersive experience.

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Following a passion for both science and art, I embarked on an adventure in architecture. The most rewarding process within architecture is creating and developing a concept into a design, as both creativity and problem solving are some of my biggest strengths. I have honed my drawing, technical, and digital skills to a high standard throughout my years at university.

I have always wanted to learn more such as obtaining a level 3 diploma in Professional Interior Design from the National Design Academy during the pandemic and other online courses. Travelling and photography are something I love to do in my spare time. I want to continue having new adventures.



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Designing through the outlet of making provides my workflow with a physical medium to critically reflect on the consequences of my work.

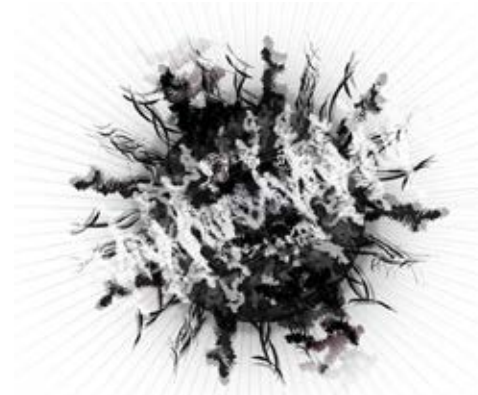
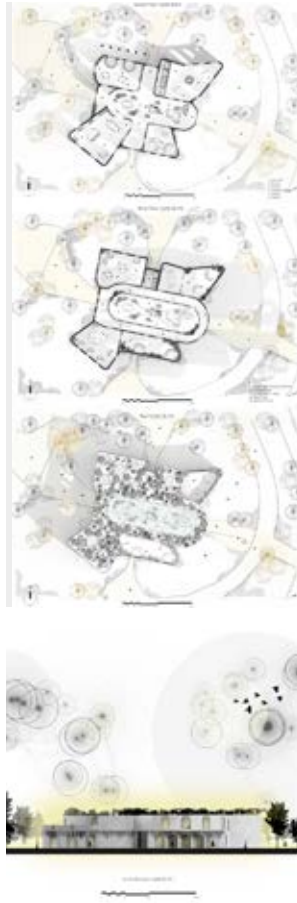
Architecturally, I aim to instil emotive and haptic qualities into the places I create, with a constant awareness of the human scale in relation to spatial qualities.

My undergraduate dissertation was focused on restoring value to timber waste, the core driver was based on defining

a restorative process with a structural frame composed of the offcuts as a Bi-product.

The structured light point cloud depicts this outcome.

This narrative of restoring value back to timber waste is a core theme that I will carry through into my MArch, with the intention of exploring greater opportunities that intervene into existing waste cycles in the construction industry and redefine how this potential resource is used.



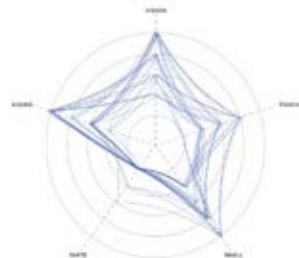
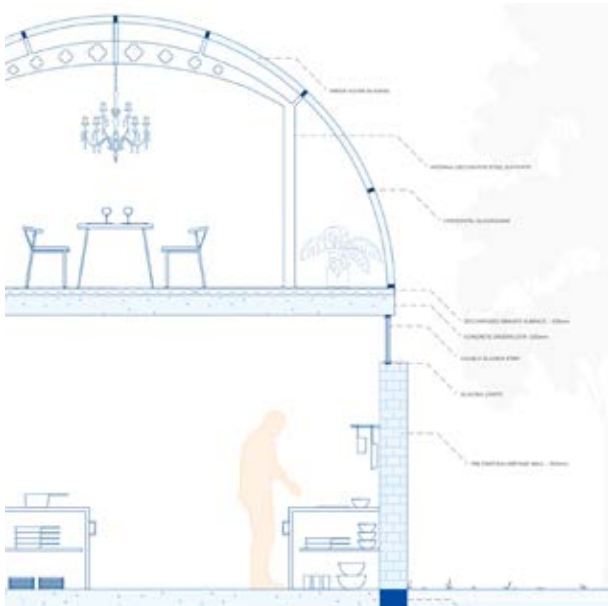
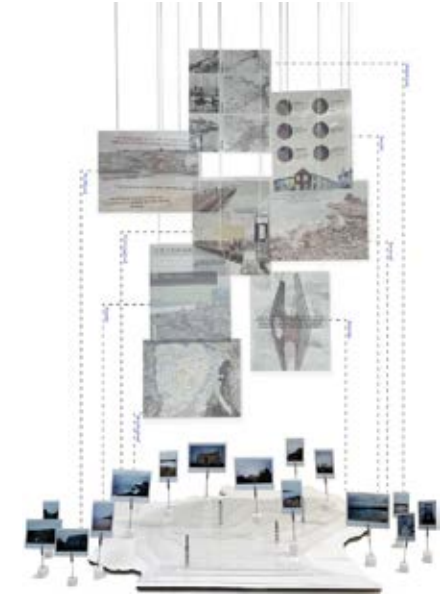
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SPOTLIGHT: An architectural proposition directed at relighting Lincoln's Inn Fields as a safe place of passage and refuge for women.

The project was produced during semester one, within the Lab of Art and Architecture; which explored themes of phenomenology, hapticity, inclusivity and feminist spatial practice, taking a conceptual and artistic approach towards architectural design.



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My architectural work approaches the collaborative interplay between the worlds of architecture and art, fuelled by a conceptual and experimental approach to architectural design, continually pushing the boundary of what architecture 'is' and what it can become. I have a particular interest in producing work that explores the notion of creating experiential spaces, places that tell a story, provoking a personal and emotional response through

narrative-led design, aiming to create unexpected spatial spectacles.

My Semester 1 Project explores the concept of the sensory experience, creating a constellation of spaces that aim to enhance the sense of taste.

My Semester 2 Project spatially navigates the journey from life to death, featuring an end of life centre, crematorium and memorial, set within the idyllic coast of St Ives.



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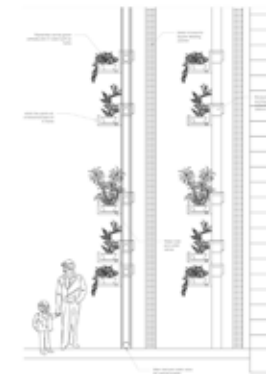
As part of the Art + Architecture design lab, this project invokes the concepts discussed in Jane Rendell's "A Place Between" and the methodologies of the Unit One Artists, such as Barbara Hepworth, to design an artist residency in Zennor, Cornwall.

Named 'Sancta Ceramica', the design addresses issues surrounding the embodied perception of art by expanding the knowledge of creation in a series of studio workshops inhabiting existing buildings on site. The architectural proposition acts as a critical mode of reflection and aims to evaluate the hegemonic values of the existing buildings by inserting contradictory spaces and provoking new function through art.



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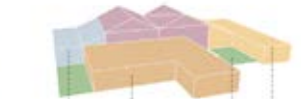


EXISTING BUILDING



REMOVAL OF ELEMENTS

ADDITION OF NEW SPACES



1. RETAIN MAIN BUILDING

[HEART OF BUILDING]

2. REMOVAL OF UNATTRACTIVE
SUBSERVIENT BUILDINGS

[REUSE MATERIALS FROM DEMOLITION]

3. CONSTRUCT NEW BUILDING AROUND
EXISTING

[INSULATION BENEFITS]

WORKSHOP
SPACE

GROWING
SPACE

ENTERPRISE
SPACE

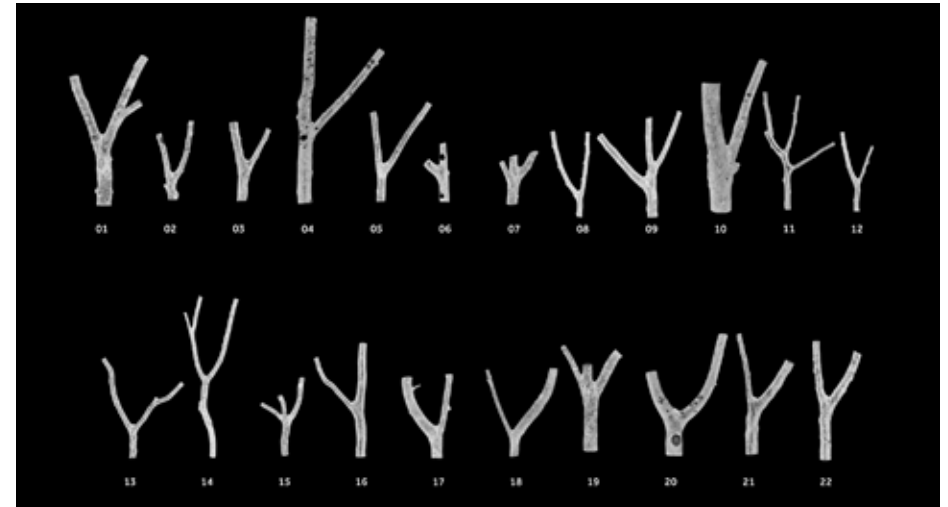
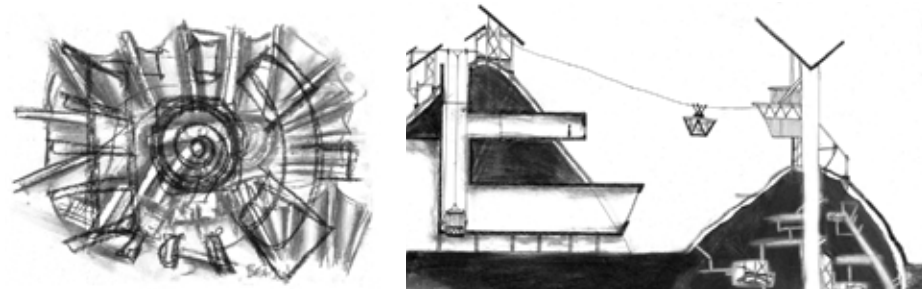
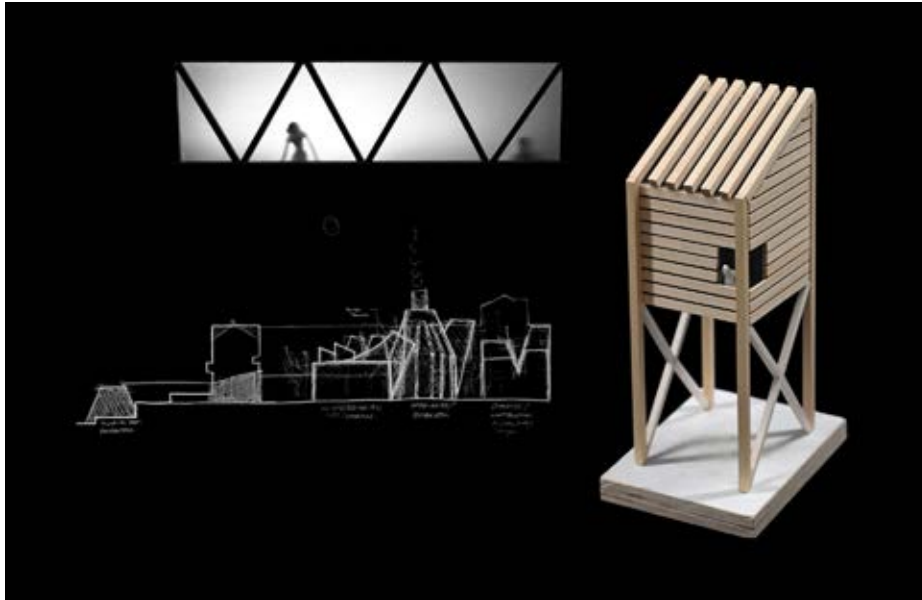
COLLABORATION
SPACE

Fairbourne, Wales has been named as the first coastal community in the UK that will be lost to sea level rise. The proposed building was designed to respond to a lost sense of place within Fairbourne. The chosen site was a former hotel that served as a popular pillar in the villages' former life.

The community facility named FAIR-RE-BOURNE, provides a market and enterprise space which enables the

community to sell locally crafted products.

The sustainable credentials of the building were intergrated throughout the program, materials and proposed running of the building. A biomass boiler using waste produce from the community was proposed and an external aquaponics system and roof garden were provided to allow for growing fresh produce to be used in the cafe on site.



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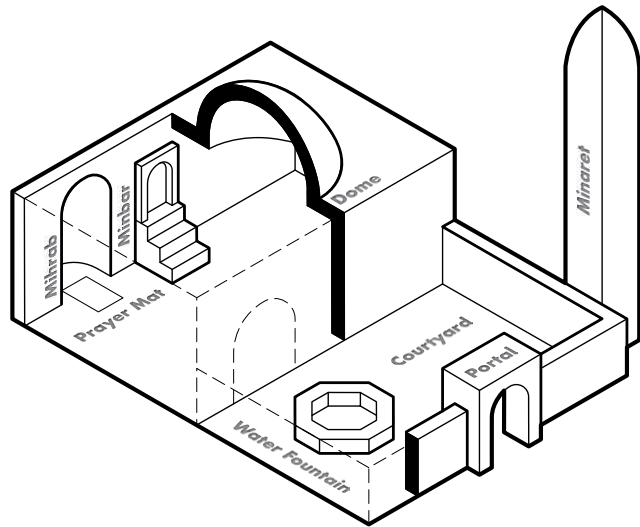


My final undergraduate year of architecture at Loughborough has enabled me to explore design processes and ways of approaching different briefs, pushing to embody the ethos of the 'Architect-Maker'.

Through various ways of working, I strive to establish meaningful conceptual narratives for studio projects, investigating the atmosphere of spaces and building with natural materials.

My dissertation research investigated ways in which natural forms of branchwood can be re-valued through creating digital replicas and re-arranged in a VR interface to utilise the inherent structural properties of the non-standardised material.

After graduating from my Part 1 undergraduate this upcoming June, I intend to gain practical architectural experience before embarking on my Part 2 masters.



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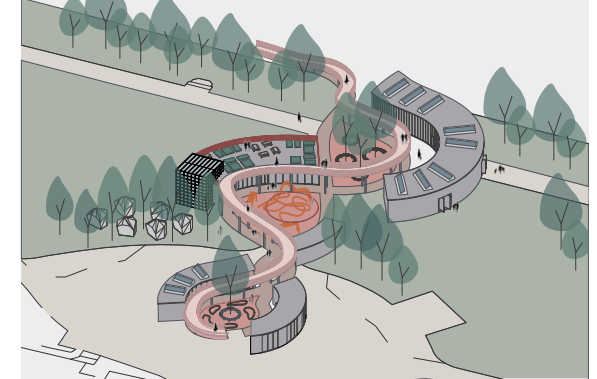


Digbeth Mosque intends to celebrate the cultural heritage of Birmingham through Geometry, Calligraphy and Nature to bring people together. It focuses on blurring differences between diverse cultures and beliefs to create a piece of architecture where there is no tension between user groups.

An emphasis has been put on the Muslim Community as well as wider stakeholders. Prayer halls as well as

education facilities are present for muslims to increase their relationship with god. A gallery is included to showcase various artworks produced by south asian artists within Birmingham.

Gardens are a key part within Islam, which have been translated through into the scheme, including a market area and water gardens.



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This project embraces the diversity in London's population, providing a space for everyone to use and to take ownership of. It forms the heart of the neighbourhood, acting as an epicentre for activity and interaction while challenging the concept of a public space and for whom they are designed.

It aims to explore the idea of public space, realising spaces of great flexibility and which foster a range of

different interactions, allowing everyone to feel comfortable while using the space.

Intended as a community hub in the central location of Lincoln's Inn Fields, it breaks down the barriers between people interacting in the public space and allows for the freedom to explore the spaces through an intimate perspective.



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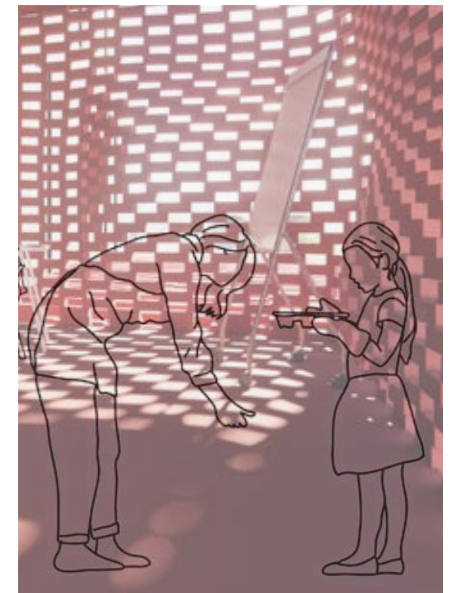
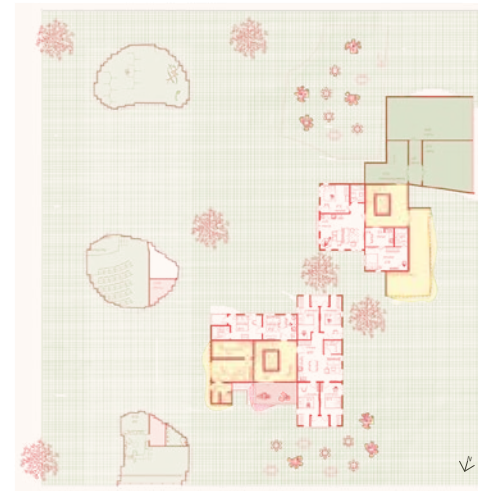
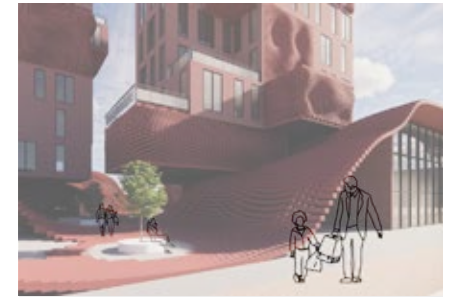
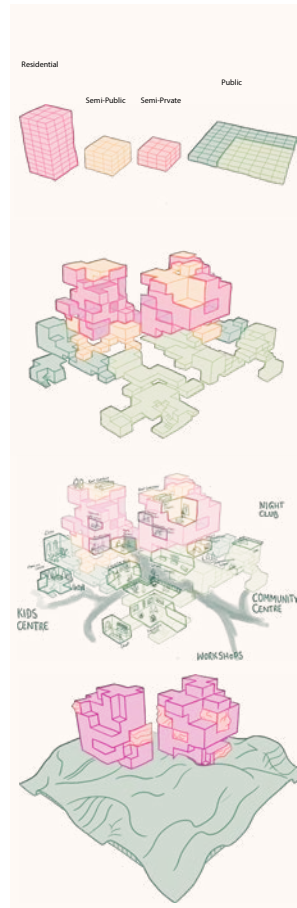
During my time at Loughborough University, I have developed a passion and understanding of sustainable design. In my final year I was a part of the sustainable lab.

This project primarily focuses on social sustainability where a coastal community in Wales has been alienated by the council by planning to decommission the village due to potential flooding.

The council has predicted

flooding will happen within 50 years. However, current projections for sea level rise show that this estimate is at least 50 years off.

My scheme aims to improve social unity with a hub for community run workshops. Also, the scheme aims to improve scientific knowledge on sea level rise to help provide more security to the village and assist the council in making decisions.



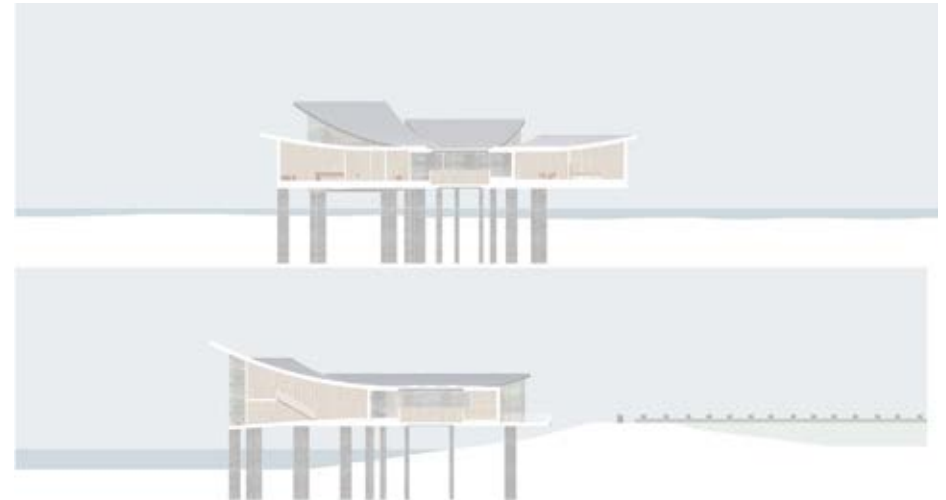
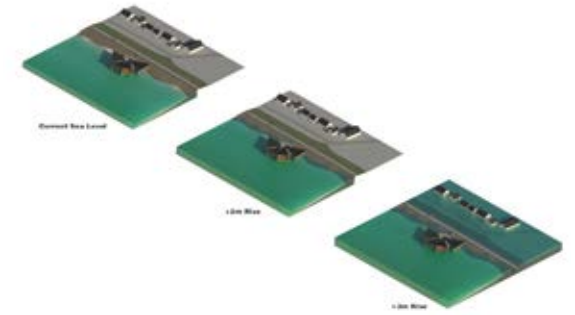
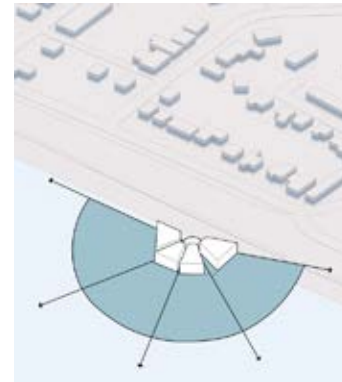
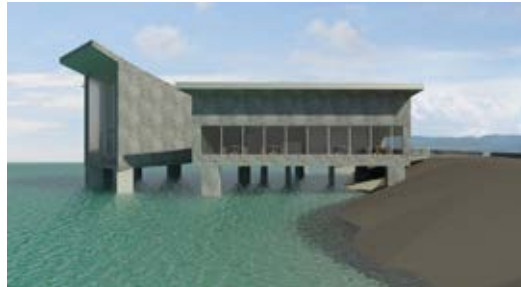
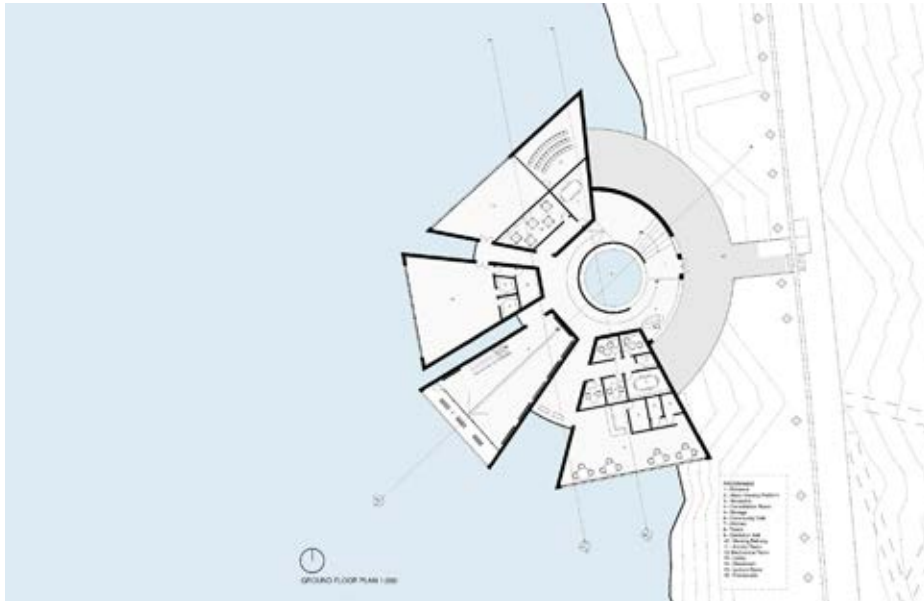
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My interest in architecture came from a mix of science, art, and psychology. Through my architectural education, I have developed a skill of interpreting my ideas into a narrative that drives my design proposals in creative and challenging ways.

My architecture proposal revolves around an interest in producing an adapting and motivating living and working experience for people in the

creative industry. I focused on reflection on the design development cycle to inspire my program for the project and to accommodate a variety of workshop and study spaces within the residential building. The approach I take with my work incorporates a lot of research and architectural interventions to create a strong proposal.



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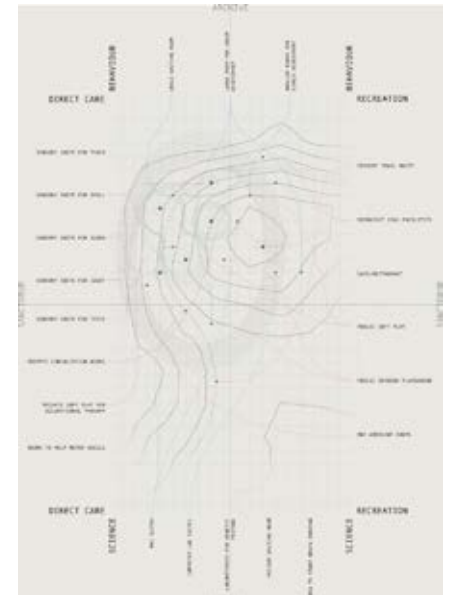
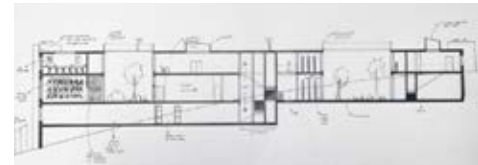
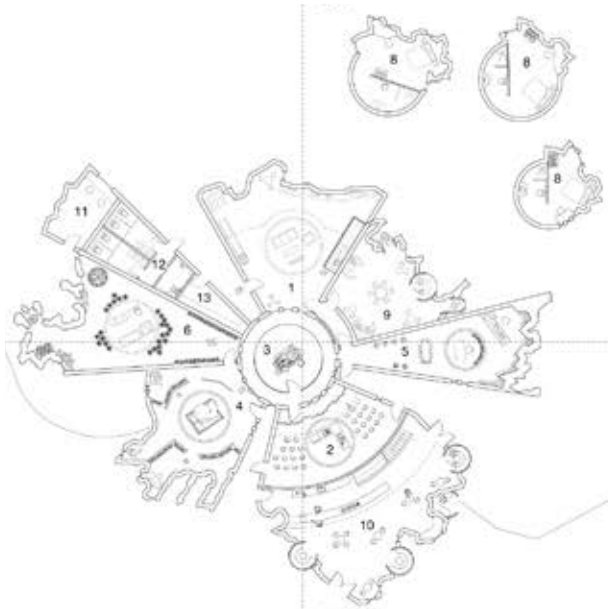
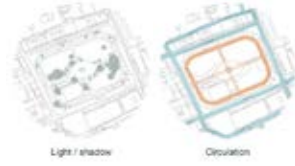
R(A)ISING COMMUNITIES

A climate change awareness and community centre to provide education and support of climate issues.

This proposition aimed to empower people through awareness of the global impact of sea level rise and provide support to local people who are impacted by sea level rise. The ocean is a connector of people across the globe, and the impact

of sea level rise is shared between all.

The centre reaches out from the beach-front to the ocean, and provides views out to the sea - creating a connection across the globe and bringing together both the local community of Fairbourne and coastal communities across the globe.



RUBY MEARS
BARCH (HONS) ARCHITECTURE

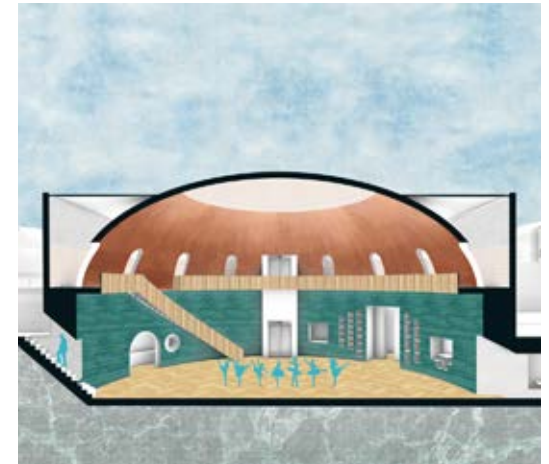
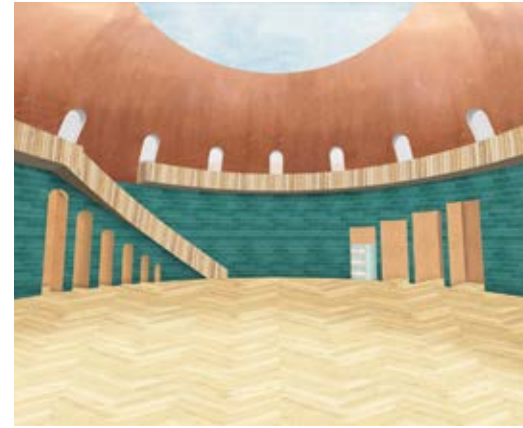
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A New Domestic Dream (left) is the design for an extension of the Sir John Soane Museum, which distorts existing associations held with the concept of a home. The building is a commemoration of the life of Eliza Soane (John's wife) and reinterprets typical rooms found in the home to represent her interests and hobbies. An initial exploration of materiality in its raw and polished form has driven this project to produce organic and playful

structures to re-imagine the concept of domesticity through a feminist, critical practice. A Centre for Sensory Rehabilitation (right) is a work-in-progress design for a building which enables human-based therapy and furthers ongoing research for sensory processing disorder (SPD). The building creates stimulating sensory experiences for children with SPD, with an additional

research hub to explore the extent to which the condition is biologically caused. The WIP plan is centred around courtyards to provide focus back to the rural and sensory landscape of St Ives, Cornwall.



WILLIAM MENNELL
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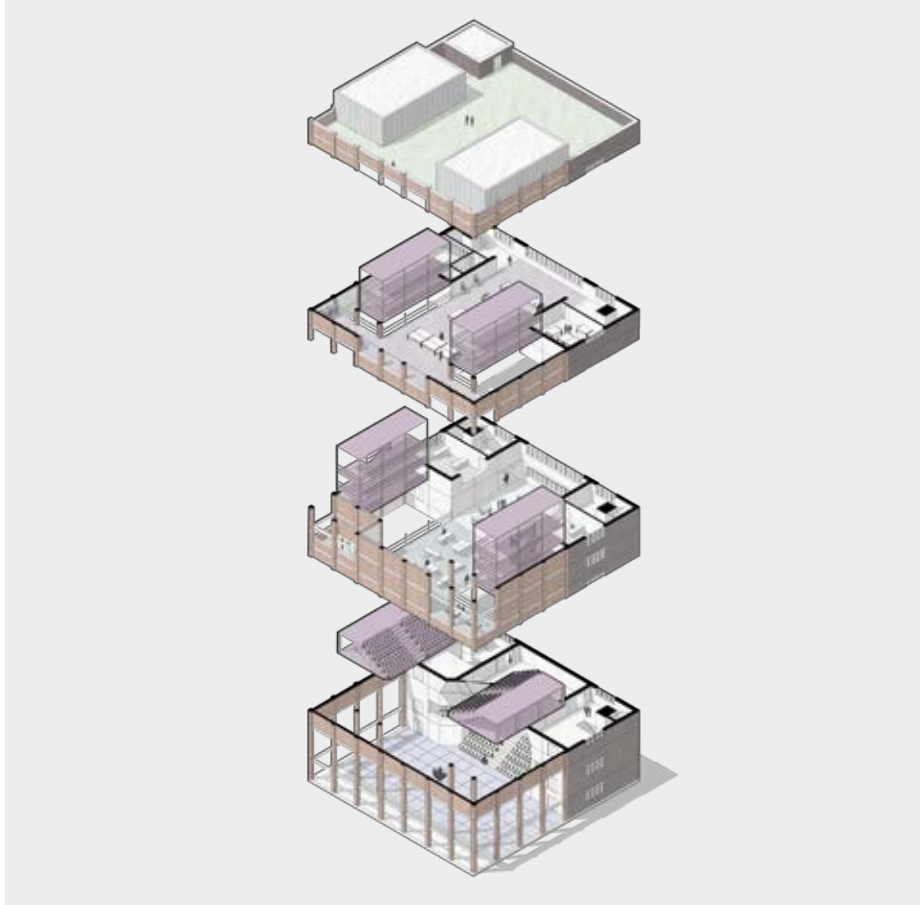
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'Broadway Presents' is a community centre based just off of Broadway Market in Hackney, London. It takes inspiration from the theatre of everyday life that occurs on and around the site.

The existing site consists of rows of garages constructed in the 1970s. This proposal doesn't seek to eradicate this fabric and instead seeks to utilise it and create a building that becomes part of the community while maintaining

the public function of the garages. This is performed through an illusion that enables a triple-height dome space to hide within a small external envelope.



LUCAS PIMM
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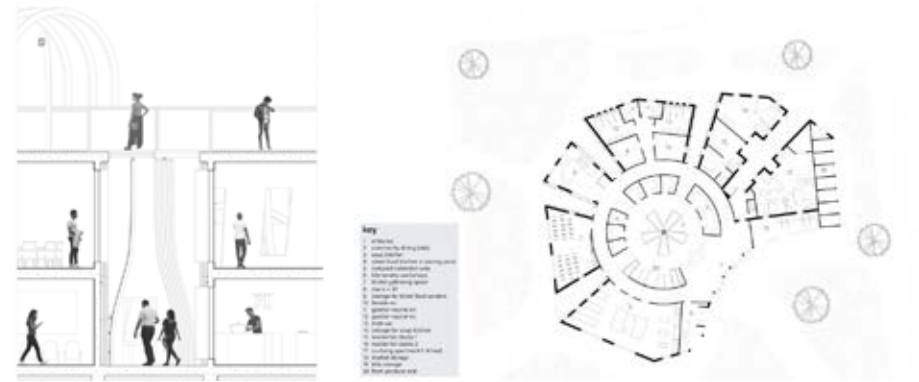
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The project is based in Digbeth, Birmingham an area developing into a creative quarter. The concept of 'Voice' refers to the formation and expression of ideas and feelings through theatre. By focusing on peoples 'Voice' the theatre can be a space that helps cultivate and express these thoughts and expressions.

By allowing for a system of modules or stage elements that can be lifted and dropped

down into the performance space, several performance spaces can be created with a small number of elements which can be re-purposed depending on the performance type. Each of these performance spaces would then therefore, have differing spatial characteristics that can set them apart.



the ecosystem of hackney + broadway market



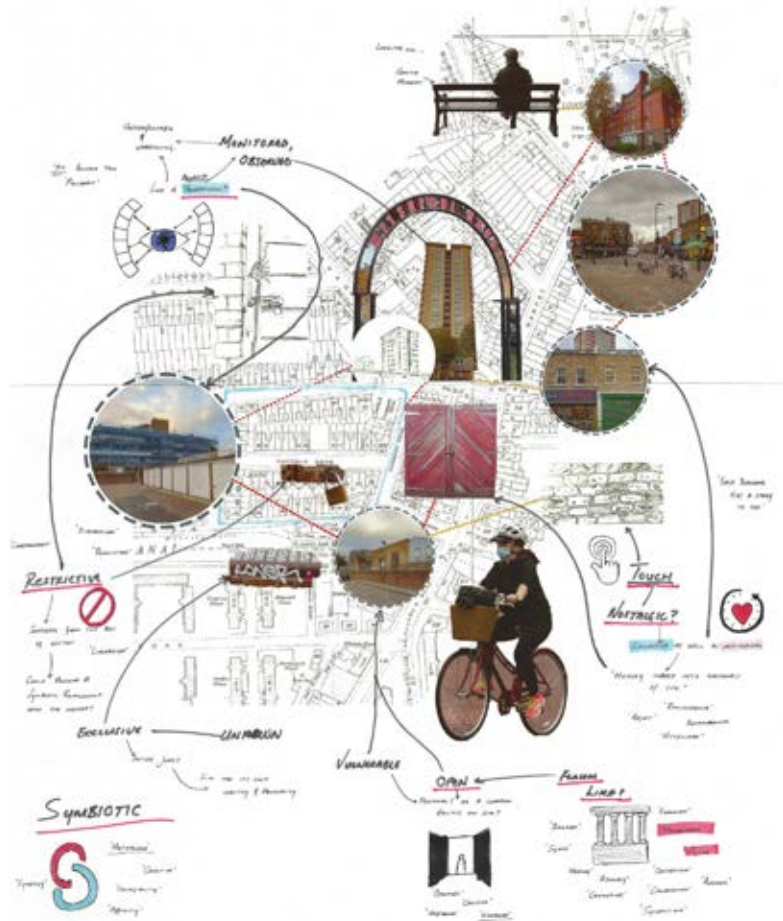
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A space to gather provides the basis for the design intention, where members of the community can congregate and discuss. Dig in, the hackney ecosystem provides the community with a space to eat, share, educate, grow and recycle. The self-sufficient ecosystem celebrates all that is local in hackney whilst inviting interactions with non-local users. The history and traditions of the site have been celebrated through

materiality and form, whilst the identity of the area is retained through the emphasis on local business and produce. A place which fosters facilitation, experience, contemplation, respite and utilisation has been created, in the heart of hackney.



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The aim of this project was to respond to the growing need for community engagement in the borough of Hackney in London. Through a carefully planned response to the brief it was possible to cater for all aspects of the community, by considering education, religion, craft and civic function through different mediums of architecture.

This proposal was inspired by the function of the Roman Forum as a municipal centre,

which was informed by cultural qualities such as polytheism, education and social interaction.

It is through these design considerations that I have been able to respond to the issues of social neglect in and around the site, reviving the Borough of Hackney as a cultural hub once more.



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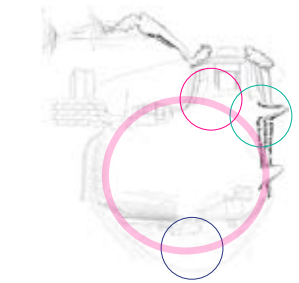
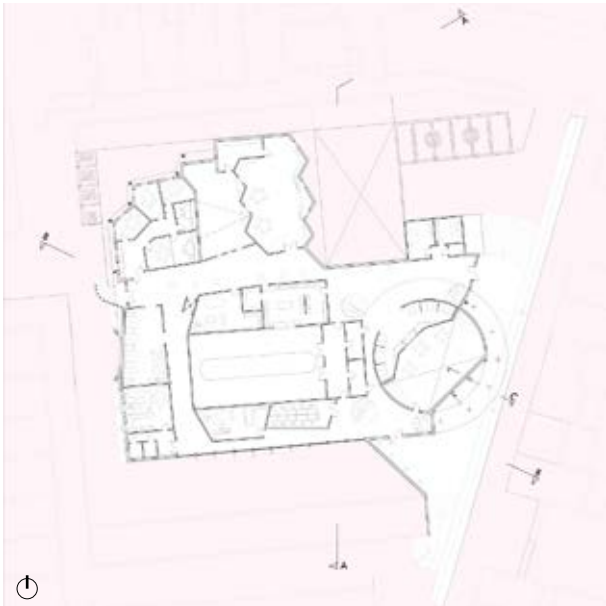
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Aros means 'to remain'. This project is a place for Fairbourne to remain in a place that has stood long before it was there, and will hold the community for a long time after. The final design is exciting and inviting, encouraging a non-conventional community to thrive after its conventional roots have been destroyed by rising sea levels; providing a precedent for similar communities around the world.

This projects uses natural and local building materials such as strawbales to create engaging conversation between historic and modern architecture.

I am extremely passionate about sustainability in architecture and aspire to continue this approach to design in my career, wherever it may take me.



FARIDAH USMAN BUHARI
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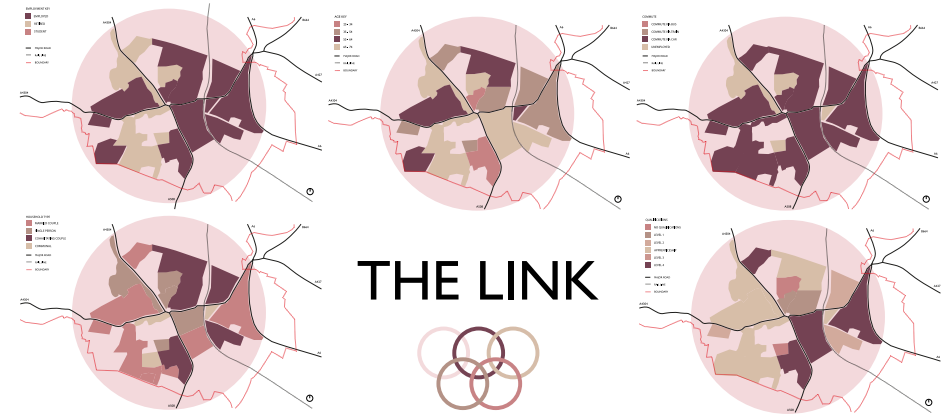
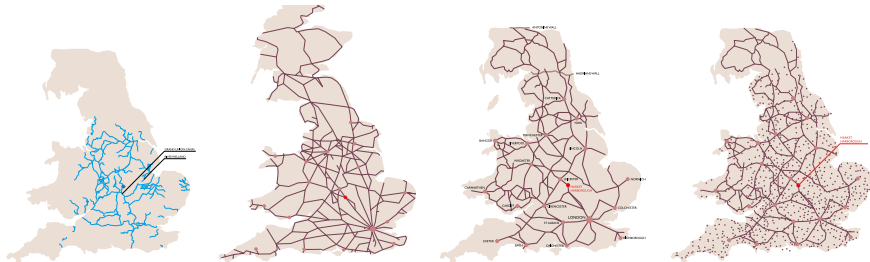
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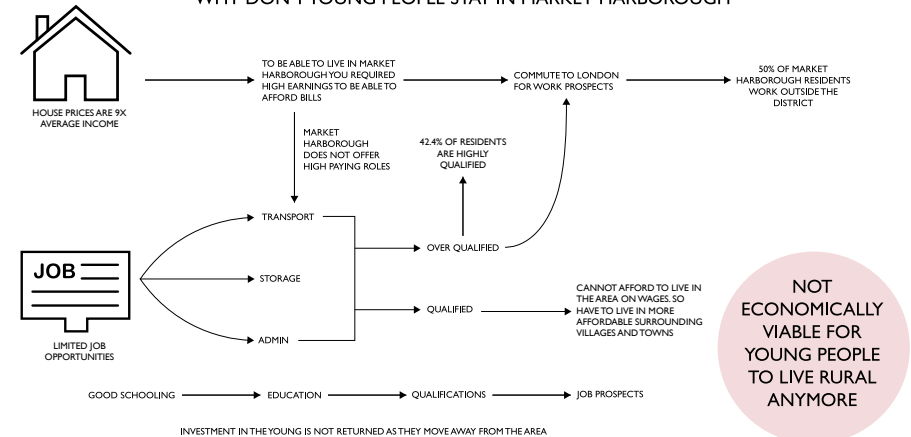
Reflecting on my past architectural endeavours, I have learned many skills and grown as a spatial thinker and designer of our spaces. I have an innate attraction for detecting a concept from the little things that make a site unique, and then implementing them at a human scale to evoke the feelings and experiences of others.

During my placement at a small architecture firm, I worked on interior layout plans, planning sheets, and 3D visualisations and attended site surveys and client feedback meetings.

'The Carousel' is a playful response to the elusive experience of walking around the site rearing Broadway Market, Hackney. The reuse of the existing garages cultivated fun and inviting leisure spaces for the youth.



WHY DON'T YOUNG PEOPLE STAY IN MARKET HARBOROUGH



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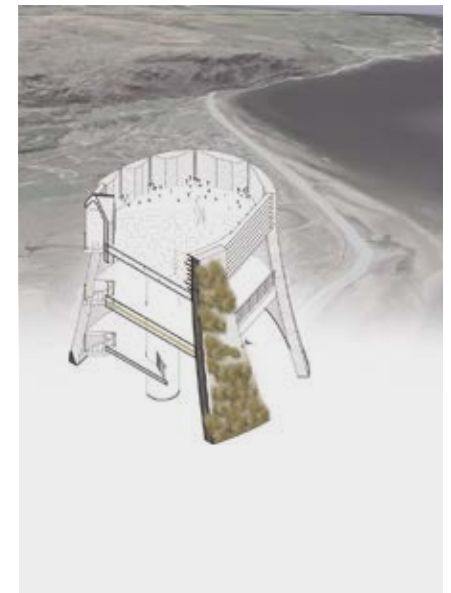
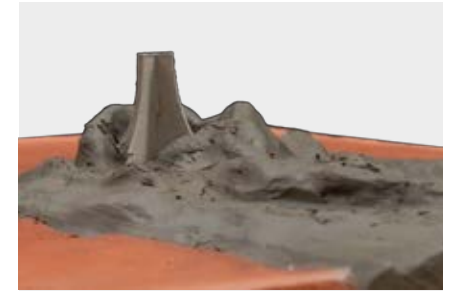
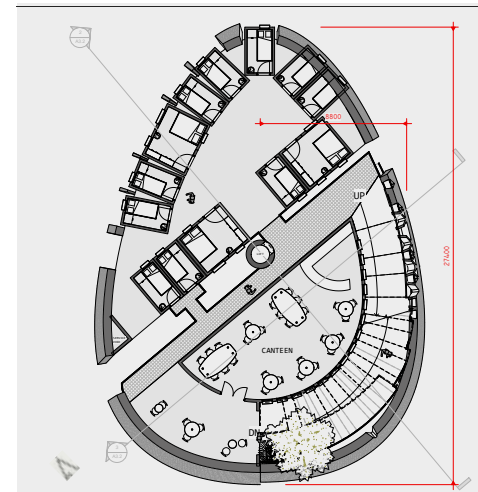
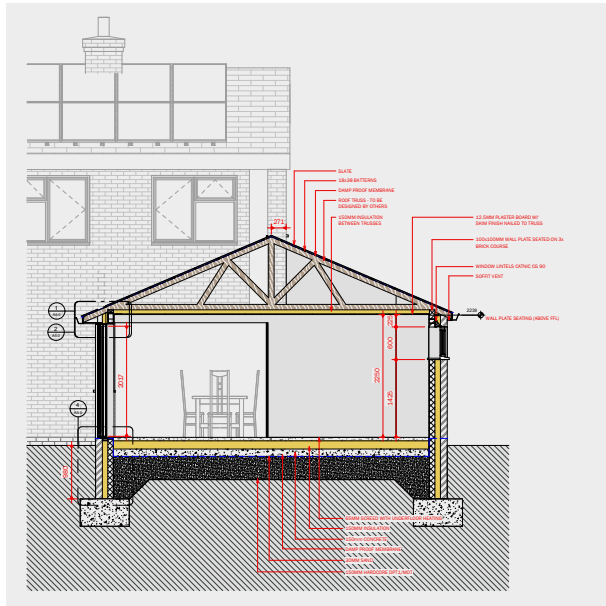
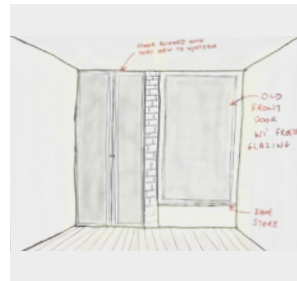
As an architecture student, I have specific interests in restorative and sustainable architecture, both of which are reflected in my final year projects.

My final year project focused on the adaptive reuse of a listed building in market harborough and the application of incremental modular housing on the surrounding site.

My dissertation explored the adaptive reuse of office

buildings to residential housing, and in turn the whole life cycle carbon emissions of new build replacement when compared to retrofit alternatives.

On my placement year, I experienced a wide range of design careers, from model making to project management, as well as an extremely engaging role as an architectural assistant at Liam Russell Architects.



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I am a graduating Part I Architectural Assistant with 16 months' professional experience across all RIBA work stages, a passion for sustainable design, and a keen interest in construction detail.

The first project (Left) is a placement project which I managed from briefing to construction. The extension and floor plan alterations make the home more usable for the client's requirements.

The Second Project (Right) responds to the decommissioning of Fairbourne. 'Host' helps monitor the threat of sea-level rise and enable meaningful future planning. It will become a refuge in storms & floods, eventually a monument to the lost Fairbourne and a mobile resource for the other 42 UK coastal communities at risk of the same fate.



Loughborough
University