



WILL PRESTON

CV and Architecture Portfolio

May 2020



# WILL PRESTON

## Part One Architecture Student

I am currently in my third year at the University of Huddersfield studying Architecture, due to graduate July 2020. I aspire to be a fully chartered Architect and dream of walking into a building I have designed one day. My primary architectural interests involve the experimentation with materiality and light to create the ultimate response to brief and context.



**D.O.B:** 19/11/1998, Durham, UK **Address:** 2 Gill Burn, Rowlands Gill, Tyne and Wear NE39 2PT | 07500 740198 | willpreston@hotmail.co.uk | linkedin.com/in/will-p-837625127

### AWARDS AND ROLES

- National Citizenship Service (NCS)
- West Yorkshire Society of Architecture Academic Award
- Member of 'Best Academic Society' (Architecture) University of Huddersfield
- Art Design and Architecture Academic Representative
- RIBA Student Mentoring Scheme

### INTERESTS & HOBBIES

- Playing football, cricket and badminton
- Maintaining my classic Mini Cooper, which my dad and I restored
- Listening to Music
- Travelling
- Spending time with friends and family

### KEY SKILLS

#### Communication

Developed by conversing with colleagues and customers in various work environments to ensure the job is being done at maximum potential.

#### Tenacity

Throughout education and work I have been driven and worked to the furthest extent of my capabilities to optimize the final outcome.

#### Design

Through years of art, design and architectural education, I have gained an initial understanding of the fundamental ideas of design and how these can be utilized in order to become a successful designer.

#### Autodesk Revit and AutoCAD

Learned at Howarth Litchfield in 2016, developed at University from use in various design projects.

### EDUCATION

**Ba(Hons)** Architecture at the University of Huddersfield | Aiming to graduate with first class in July 2020

**A level** at Prudhoe Community High School | Maths, Physics, Product Design

**AS level** at Prudhoe Community High School | Maths, Physics, Chemistry, Product Design

**GCSE** at Prudhoe Community High School | 11 GCSE's A\* - B, including Maths and English

### WORK EXPERIENCE

#### NORR | Architecture Practice | August 2019

During my 2 weeks work experience at NORR Newcastle, I joined the teams working on live residential care and restaurant projects. I developed my skills on AutoCAD, Revit and Photoshop by working on floorplans, BIM and rendered 3D visuals. I engaged in a council project meeting to discuss a local housing scheme.

#### Howarth Litchfield | Architects Practice | August 2018

I assisted with the conceptual design process of an ongoing bungalow conversion project by producing various sketches and began to learn necessary software such as AutoCAD and Revit for final presentations. I enhanced my networking skills by getting to know members of the office.

#### Howarth Litchfield | Architect Practice | August 2016

During a short placement I had my first experience of an Architect's practice and what it would be like to work in one. I gained insight into the role of an Architect and how a practice runs whilst also completing a house design project.

### EMPLOYMENT

#### Self Employed Gardening Work | Summer 2018 & 2019

As a result of sending fliers out to my local community, for two summers I have earned money via freelance gardening work. This has proven very beneficial to my ability to quote prices, communicate with clients, self-organize and meet deadlines.

#### Bar Work at Local Summer Festivals | Summer 2018 & 2019

From my time at various festivals, I have developed interpersonal skills by communicating with festival-goers to deliver the optimum customer experience. Long, repetitive hours also improved my tenacity and work ethic.

#### Waitrose Ponteland | November 2016 - September 2017

Duties included working on the Meat and Fish & Deli and Cheese counters. Adaptable skills I acquired during my time there include:

- Self-organization; I needed to be on top of everything to get each task completed by the deadline.
- Communicating effectively with customers to ensure they received what they wanted and with work colleagues to ensure the counters were as tightly run as possible.

### SOFTWARE PROFICIENCY





A Home for  
a Change



Health and  
Community  
Centre



Breakwater

2020

2017

Micro  
Museum



NORR  
Newcastle



Tepi Sungai



## Year 2 Project One:

# A Home for a Change

### Brief:

Design a house for a family of four on a rural site by Meltham, near Huddersfield. Both adults work; one from home full time; one part time. The family keep two horses, and need stabling, including storage for straw, feed, and tack (horse riding gear/equipment), along with a paddock. They need parking/garaging for 2 vehicles, and a horse box. They enjoy entertaining, but in an informal setting. Both children are at secondary school. The family are very keen for their home to be environmentally responsive and sustainable. They also wish to have a kitchen garden and grow their own produce.

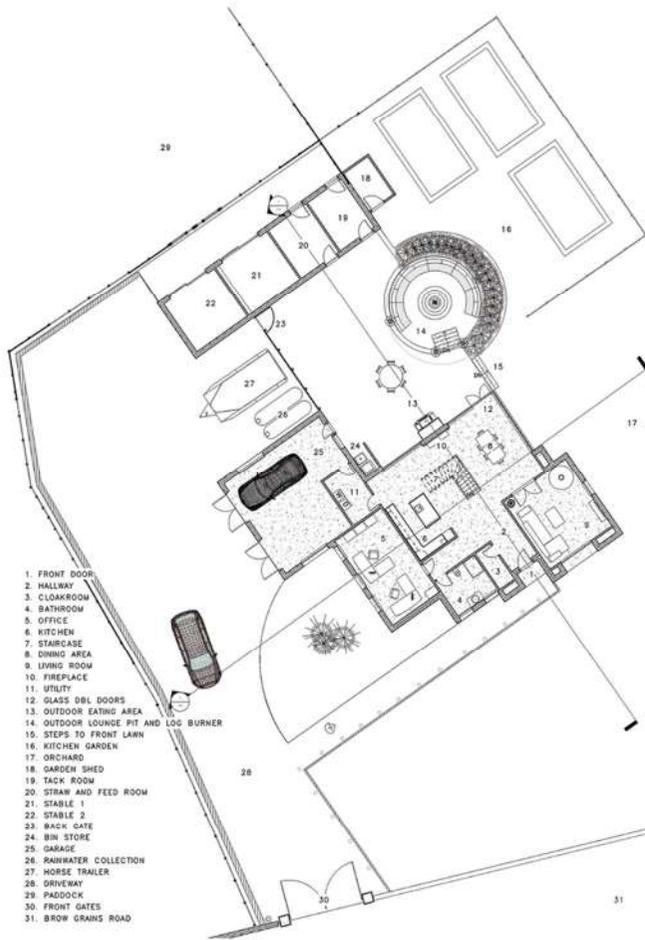
The client has a nominal budget of £500,000

### Design Concept

The notion was to combine a traditional Yorkshire cottage with a large contemporary family house, which is evident through the choice of materials; a combination of timber and concrete with an accent of millstone grit (local stone). The location of the project is in the middle of a field at the end of a long trail, it was important that the entrance was emphatic. Therefore both the garage, vegetable patch and stable spaces are round the back of the house, forming a courtyard around a private patio perfect for BBQ's.

The private spaces such as the kitchen are at the back of the house, while public spaces such as the offices are at the front.

The kitchen has expansive full height glazing. There is a skylight running down the spine of the house to guarantee maximum natural light exposure to the centre of the building.



Year 2 Project Two:

## Micro Museum

### Brief:

Design a tower in the Morecambe Bay. It will act as a safe refuge to those caught out in the bay, a memorial to those drowned in the bay and it will be a Micro Museum, curating a chosen aspect of the Bay. The foundation for your Micro Museum will be a 3m x 3m x 3m cube of concrete, set into the sands. The floor of the micro museum and refuge must be a minimum of 5 metres above the top of the cube. The micro museum is a small affair, no more than 100 square metres. It may be on more than one level, but you would need to consider access between levels. Any structures need to land on the 3m square base. The micro museum will be off grid. 1:20 scale detailed models must be built to present the scheme.

### Design Concept:

Inspired by the maritime feel of Morecambe bay, this tower project was constructed from mild and COR-TEN steel, which would provide an evocative palette of colours which are reminiscent of Morecambe's nautical heritage. The shape of the tower was influenced by a shell found on the beach during the site visit. It provides ample room for the exhibition of the 'Queen's Guide to the Sands' on the top level.

To power the tower, there is an impeller built into the concrete cube foundation which would harness tidal energy.



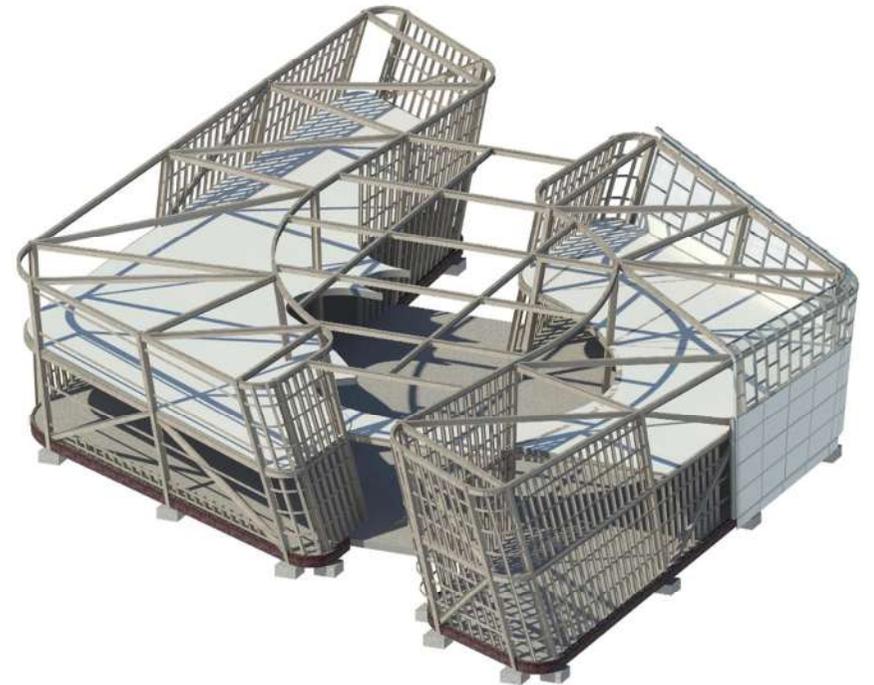
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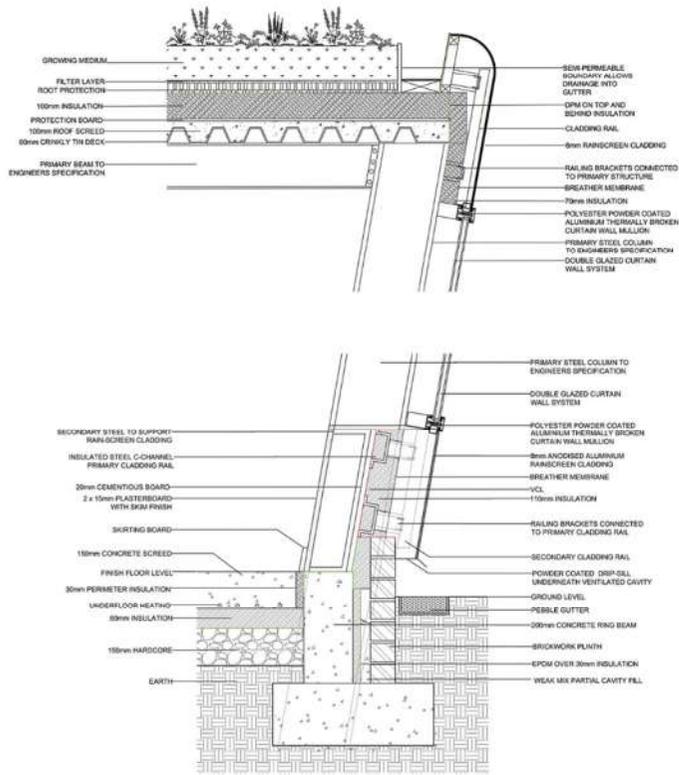


Year 2 Major Project

## Health and Community Centre



03



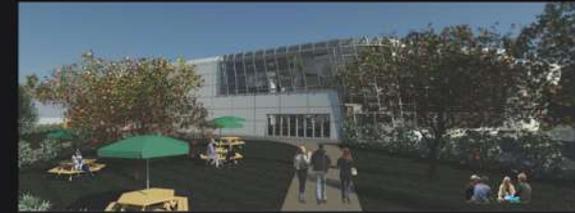
**Brief:**

Design a Health and Community Centre in one of two selected sites in northern Huddersfield. The centre should be targeted towards the needs of local people. The building should imbue the Health Authority's desire to embrace new technology and contemporary medical advancements. A welcoming and comfortable environment is also required through the use of light, form, space and character. Special consideration should be taken regarding natural light, views and connections with the surrounding town, whilst maintaining privacy where necessary. The centre should also strive to reach out to the 'healthy' in the local communities by providing a hall for dancing and general activities (e.g. birthday parties and Scout meetings). The hall should be served by a small kitchen.

**Design Concept:**

Inspired by the study of many neo-futuristic projects such as those by Zaha Hadid, this project was intended to represent an ultra modern building. The structure was based upon a basic 'yin-yang' courtyard shape, with the respective forms then undergoing a dramatic torsion to create a twisted form. This led to it being constructed using a steel frame and clad with white anodised aluminium rainscreen cladding tiles, which was ideal for the shape and narrative.

A large atrium acted as a circulation node within the building and created a light airy mood. A swooping timber staircase encompassed the perimeter of the atrium, passing an indoor water-wall which made the journey from floor to floor an event rather than a basic action. The water-wall and vegetation provided a relaxing atmosphere which is essential in a building such as this.



# 04

Summer 2019 Work Experience

NORR Newcastle



Rendering above courtesy of NORR





### Keldgate Carehome, Leeds (First Page):

After the closure of the Leeds office, the Keldgate project had been re-directed to Newcastle. My role was to build up a Revit model of the building using floor plans Imported from AutoCAD and sketches from the Architects, which would then be used for visualisation and integration of BIM. The front page shows the Revit model and one of the visuals.

### Harrogate Carehome (Below):

The Harrogate project was the first I undertook at NORR. I was instructed to rectify the Revit floor plans in accordance with the senior Architects sketches.

As well as this, I was handed some sketches / collages by the interior designer and used them to create some rendered visualisations of various spaces in the building (such as the bar below and to the right), which were to be used as a point of reference for further design development.



### Damascus Lounge Cramlington (Above):

This 3 day project involved redesigning the interior of a Lebanese restaurant in Northumberland, where I took Inspiration from the traditional aesthetic and gave it a modern twist. The initial response from the client was very positive.

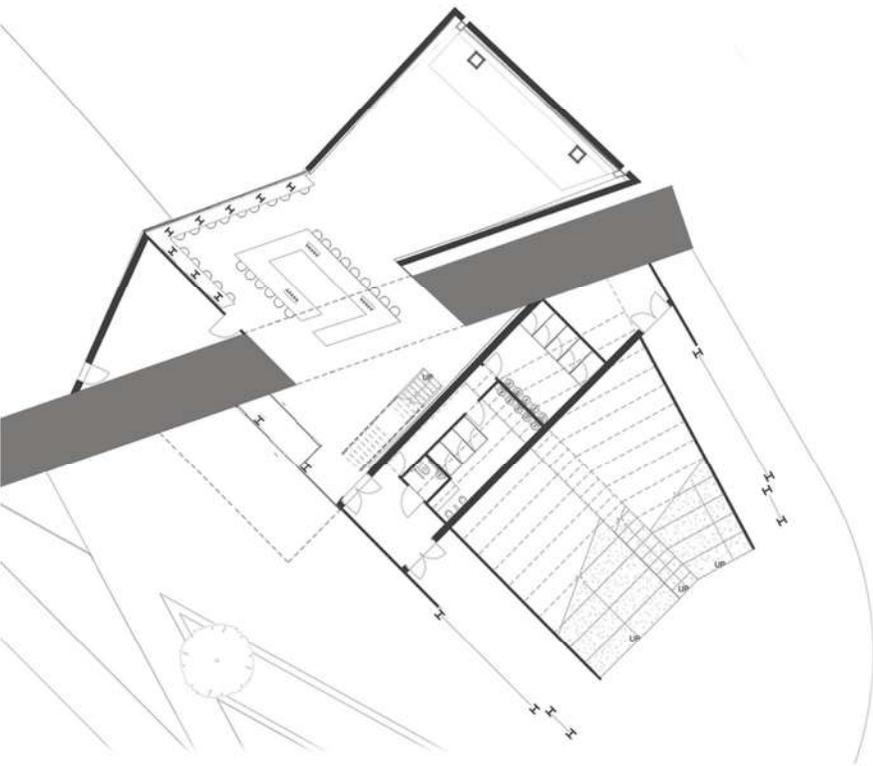




05

Year 3 Project One

Breakwater: Conwy Performance Venue



### Brief: Event, Space, Form

The project brief involved designing a performance centre in the Welsh town of Conwy that connected to the wall in some way (physical or metaphorical). We explored the notion of an 'event' and the relationship between the activities created by an event and the 'space' encompassing it.

Three key spaces that were required in the design:

- A small recital space for an audience of no more than 20.
- A larger venue for an audience of around 150 people.
- An outside performance space for an audience of between 200 and 400 people.

### Design Concept:

Nowadays, the wall serves as a pier, so the narrative of the design was to resemble breakwater. This not only gives the scheme its name, but also its geometrical form. The spatial aspiration was to create an open plan 'music bar' type venue which would be ultra-flexible and be able to serve a multitude of uses. The design involves a lot of volumetric change. From the double height foyer, you are squeezed through a section cut through the wall into the bar area. This incorporation of Conwy's famous wall creates a unique sense of genius loci to the building.

The front of the open air pop-up amphitheatre space is graced by the view of Conwy castle and bridge, and is to be used as the setting for the performances there. This will make each and every show synonymous with Conwy.

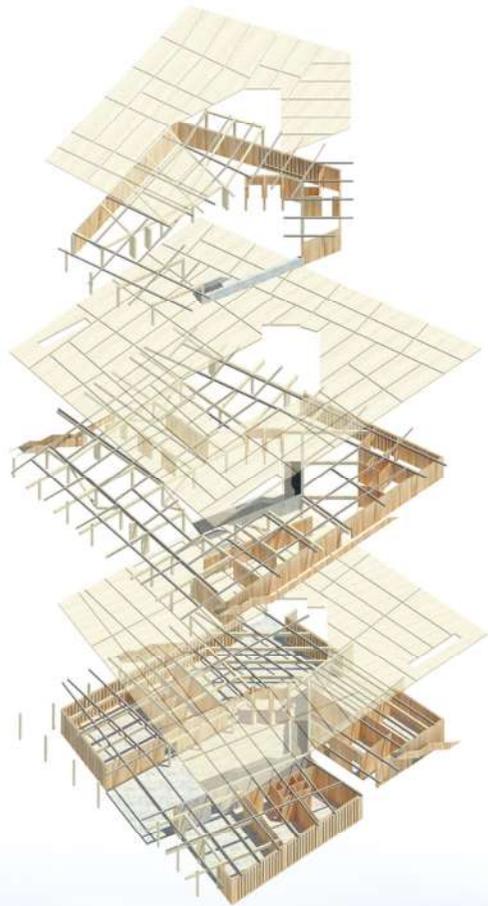


# 06

Year 3 Major Project

## Tepi Sungai: A Cultural Art and Events Centre for Malacca





## Culture, Context, Place

As I chose to do the international qualification, we spent 2 weeks in the historic Malaysian city of Malacca in January 2020 to undertake an urban study visit for the final project, before a short trip to Singapore on the way home. The urban study (which was carried out by the year group as a whole) was followed by an individual analysis of our chosen site, from which we developed our own brief, building program and initial design ideas.

## Brief:

Design a Cultural Arts and Events Centre for Malacca to provide a location for locals and tourists to embrace the cultural and artistic diversity of the city through learning about each culture's art forms and experiencing them in person within the enclosure of the courtyard.

## Design Concept:

This idea manifests itself as a museum exhibiting the ways in which each respective faction in Malacca expresses itself through the arts. The theoretical agenda of the multifunctional contemplation / theatre courtyard is for it to serve as the beating heart of the building. It will be a cool, highly vegetated space which serves as a space for refuge, circulation and a location for shows at set times of the day which demonstrate the information the visitors have learned through performance of music, dance and theatre. There are places to stop, think and embrace the environment one finds oneself in.

The frame of the building is almost entirely constituted by CLT and Glulam, as it will prevent the use of environmentally unfriendly steel and concrete, as well as being an overall lighter building resulting in ecologically damaging heavy duty foundations being unnecessary. The formal aspiration for the building is inspired by traditional Chinese and Malay architecture, therefore timber is the perfect choice

