

# SOH ZHENG RONG

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Final Year Student at Singapore University of Technology and Design, passionate in pursuing Architecture. A quick and innovative learner, with an organized and systematic work ethic. A good communicator who is level headed in high pressure situations and can work effectively and efficiently. Constantly looking for opportunities to improve. Ready to immerse myself in a holistic internship experience.

## EDUCATION

MAY 2020 -2024 EXPECTED

**BACHELOR OF SCIENCE (ARCHITECTURE), HONOURS**, SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN (SUTD)

- Enrolled Pillar: Architecture and Sustainable Design (ASD), Honours
- Undergraduate Research Opportunities Program (UROP), Humane Migrant Worker Dormitories and Air Circulation, Included in 2021 Seoul Biennale Exhibition for Architecture

DEC 2017

**GCE 'A' LEVELS**, RAFFLES INSTITUTION

- Raffles Diploma (Merit) in
  - Character and Leadership
  - Community and Citizenship

## EXPERIENCE

MAY 2023 TO SEP 2022

**ARCHITECTURAL INTERN**, TREASURE DRAGON CORP. 龍寶建設股份有限公司

- Involved in design of interior space for 许良宇 Library
- Involved in 3D Modeling of 愛臻邸, a condominium project in Taichung, Taiwan
- Involved in 3D visualisation of residence in 台西

AUG 2022 TO DEC 2022

**DESIGNER INTERN**, WAVE DESIGN CONSULTANCY

- Creation of Grasshopper code to create a variable and adaptable façade for The Ring House (Residential house) in Nairobi, Kenya
- Aided in CAD Technical drawings for various projects, including Arboretum Park (Mixed-Used Residential),
- Aided in the creation of pitch decks and presentation booklets for multiple projects

**MAY 2021 TO SEP 2021**

**INTERN, YOGIAMAN TRACY DESIGN**

- Designing of Tensegrity Model Kit using Rhino3D and Grasshopper(Implementation of 3D printed Struts with snap attachments)
- Experimentation on aluminum profiles with strain gauges to test threshold of material

**MAR 2020 TO APR 2020**

**INTERN, MOBLER PTE LTD SCANDINAVIAN VINTAGE**

- Restoration of Vintage Furniture
- Wood Working skills
- Set up of Isetan Exhibition

**APR 2018 TO FEB 2020**

**FULL TIME NATIONAL SERVICEMAN, SINGAPORE ARMED FORCES**

- Attained the rank of 3<sup>rd</sup> Sergeant
- Awarded the Best Commander of the Month award in the month of March
- Awarded the Best Platoon Award in the month of December during the final evaluation

**DEC 2017**

**INTERN, LAND TRANSPORT AUTHORITY**

- Participated in Design Challenge to improve Mass Rapid Transit System

## WORKSHOPS

**SEP 2022**

**PARKING DAY 2022**

Organiser

- Planned and organized 3 teams in their installations in Somerset Belt
- Liaised with multiple organisations (LTA, URA, NYC, Temasek Polytechnic etc.) to coordinate the nationwide event

**JAN 2022**

**ARCHIFUTURE DESIGN WORKSHOP**

Organiser

- Planning logistics for the workshop
- Curated a mini-exhibition of senior's work
- Assisted in coaching participants in activities

**SEP 2021**

**ARCHITECTURE OUTREACH PROGRAMME (ATOP)**

Organiser

- Created lesson plans and conducted lessons to teach Raffles Institution students about Unreal Engine 4

## KEY ACHIEVEMENTS

FEB 2015

### RAFFLES SERVICE AWARD

- For contributions to National Cadet Corps

FEB 2015

### NATIONAL YOUTH ACHIEVEMENT AWARD

- For service learning excellence

FEB 2015

### EDUSAVE AWARD FOR ACHIEVEMENT, GOOD LEADERSHIP AND SERVICE (EAGLES)

- For self initiated project

OCT 2013

### YOUR SINGAPORE THROUGH THEIR EYES

- Prose writing Award

## ACTIVITIES

FEB 2022 - PRESENT

### ARCHITECTURE AND SUSTAINABLE DESIGN COMMITTEE INITIATIVES DIRECTOR

- Elected into the committee in Feb 2022
- Roles and responsibilities include but are not limited to: Planning of inter-cohort programs and events, Liaising with external partners with the University on events, Promotion of ASD to the student population
- Organised PARKing Day 2023, ASD Camp 2023

JAN 2021 - Dec 2022

### SUTDIO ARCHITECTURE CLUB PROJECT DIRECTOR

- Was a member from Sept 2020 and was voted into the EXCO in Jan 2021
- Roles and responsibilities include but are not limited to: Planning of programs and events, External projects/ exhibition opportunities, Sourcing for collaboration opportunities with other SUTD stakeholders.

JAN 2012 – DEC 2015

### NATIONAL CADET CORPS ASSISTANT CCA LEADER, MASTER SERGEANT

- Roles and responsibilities include: Training schedule and programs, Organisation of school camps
- Awarded NCC Best Unit Competition (Gold)

JAN 2016 – JAN 2018

### RAFFLES CANOEING

- Represented the school in the following competitions
- Singapore Canoe Marathon

- K2 – 500m event at the National junior Canoeing Championship
- K1 – 500m event at the SSSC National Inter-School Canoeing Championship
- K2 – 500m event at the SSSC National Inter-School Canoeing Championship

**JUN 2015 – DEC 2015**

### **LEADERSHIP TRAINING AT HOLY INNOCENTS PRIMARY SCHOOL**

- Crafted a leadership syllabus based on a leadership course in Raffles Institution
- Trained the Executive Committee of Holy Innocent’s Primary School

**2018**

### **CCNA ROUTING AND SWITCHING: INTRODUCTION TO NETWORKS, CISCO NETWORKING ACADEMY**

## **SKILLS**

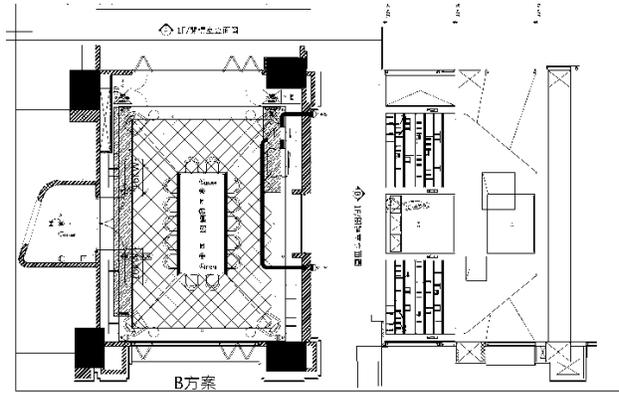
- AutoCAD
- Rhino 3D + Grasshopper
- Python
- Sketchup
- Unreal Engine 5
- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign

## **LANGUAGES**

- English
- Chinese

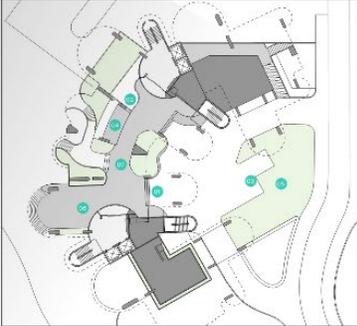
3D Visualisation of Project 愛臻邸, a condominium project (Taichung, Taiwan)

3D Modeling of drawings and rapid prototyping for presentation pitches.



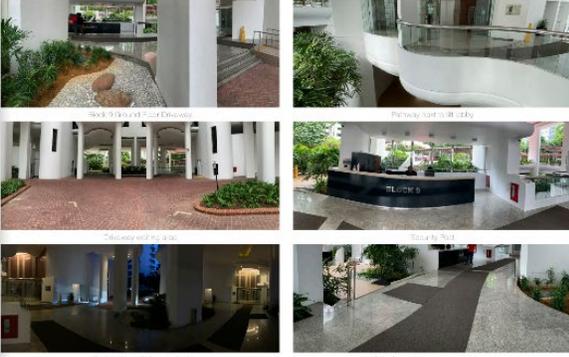
# Presentation Booklet Design (Regency Park, Singapore)

Designing a presentation pitch deck for the Council in proposal of the renovation of a condominium in Nathan Road, Regency Park.

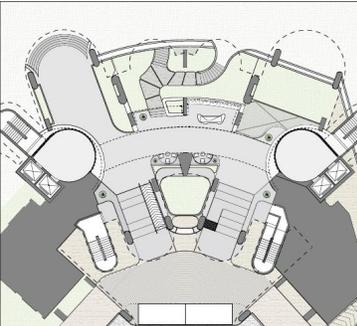


- Entrance is brought nearer to the driveway
- Regular gas meter in without a door
- Requirement for waiting area to be included
- Over-sized security desk
- Unsymmetrical and cluttered landscaping
- Inadequate lighting
- Lack of visibility
- Security finishes are sloppy with iron gates out to street

**SITE PLAN ANALYSIS**  
BLOCK 9 EXISTING FLOOR PLAN



**SITE PLAN ANALYSIS**  
BLOCK 9 EXISTING FLOOR PLAN



- Entrance has been brought nearer to the driveway
- Geometries have been simplified
- Reduced security desk size
- Symmetrical landscaping
- Additional lights added to the lobbies
- Additional parking/unloading added
- Seating with visibility of drop off point included

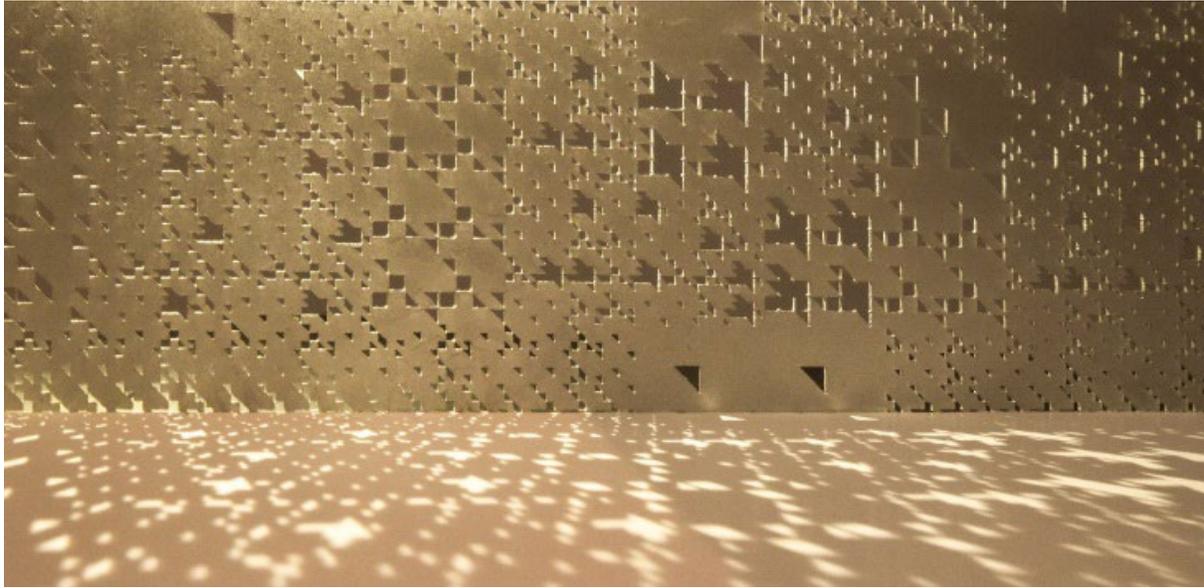
**PROPOSED PLAN**  
BLOCK 9 PROPOSED FLOOR ENTRANCE



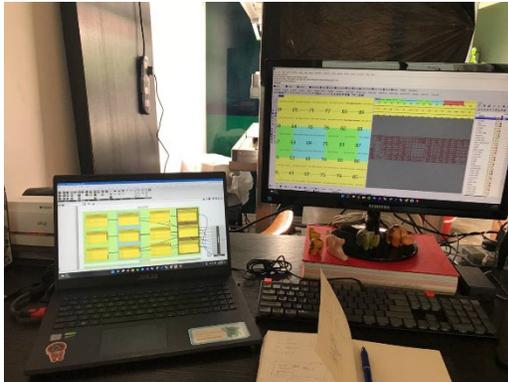
**PROPOSED PLAN**  
BLOCK 9 PROPOSED FLOOR ENTRANCE

## Façade Design (The Ring House, Nairobi, Kenya)

Designing a façade that adheres to the client's brief where parts of the house are given more permeability in the façade while more private areas are hidden through a more opaque façade design. This was done through Grasshopper to allow for quick iteration of ideas.



Model of façade design 1:20 scale



Creation of Façade through Grasshopper Code



1:1 Fabrication of Aluminium Sheet of Façade

## Agri-Pod (Hydroponics Solution)

A hydroponics solution to improve Singapore's self sustainability through local production of produce and food.

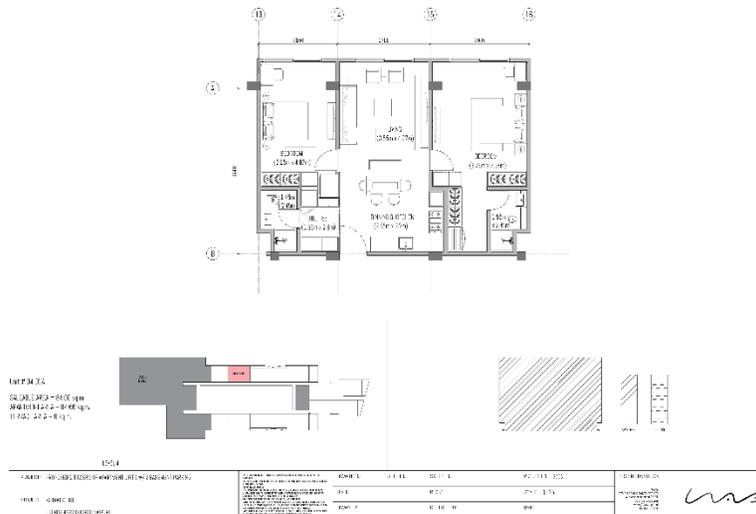
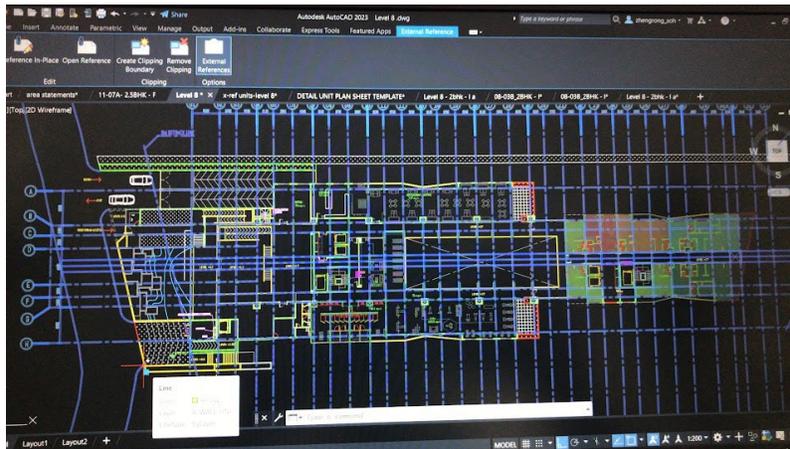


1:20 Scaled model of Hydroponics Pod

1:1 Working Prototype to experiment with growth of produce

## Arboretum Park (Nairobi, Kenya)

A mixed used residential project, I aided in the creation of technical drawings in the Design Phase for approval by the architectural council.



## University Projects

### Yishun Crossings (Yishun Avenue 1, Singapore)

Core Studio 3 – Housing Project

This project is part of a studio to design a new concept for residential developments with a focus on exploring the possibilities of housing.

This project seeks to explore how co-living can be introduced in 2 different concepts, yet reducing the impact on endangered trees on the site. By lifting the building on stilts, the hope is that there is minimal impact on the forest floor below, allowing for flora and fauna to still thrive, co-existing with the urban development



## The Museum of Our Past

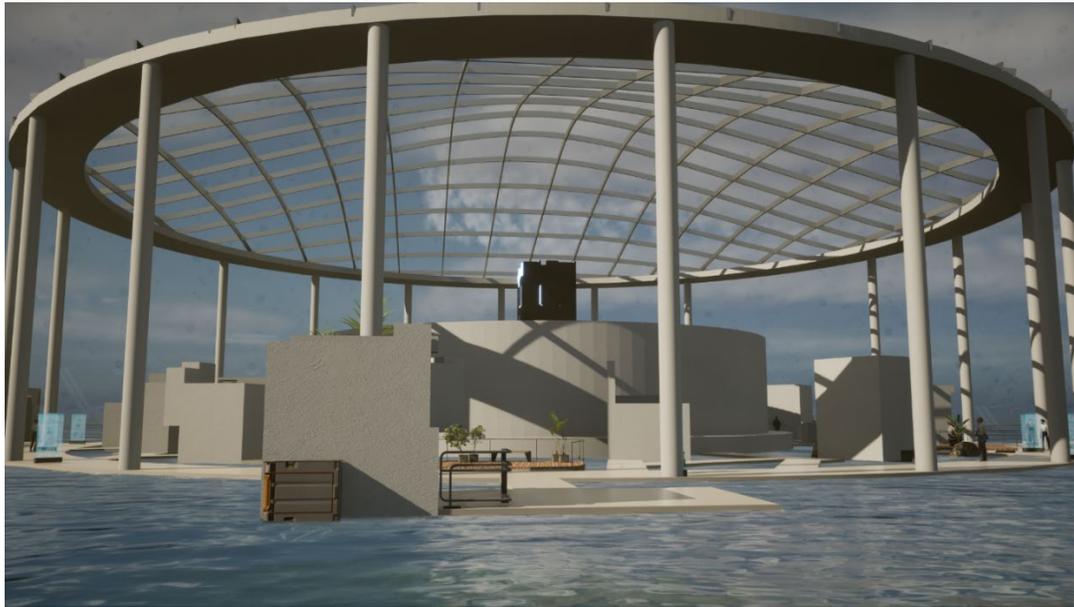
This project is part of a studio to design a Museum set in a futuristic scenario, with the main focus of the project being the Environmental, Cultural and Psychological Aftermath of Climate Change in year 2200.

This project seeks to explore the dichotomy between the hyperreal and reality, exploring the blurred lines in between and the motivations for a society that embraces such philosophies.

Reimagining the Museum as a tool for selection in which a series of trials are unknowingly administered behind the facades of exhibitions, the brightest and psychologically strongest of the visitors are then chosen to be the leaders of this futuristic society.

The project was created using Unreal Engine 5





## Pop up Ecosystems

A system of gardens to contribute to easing mental health issues during and after covid-19. The new spaces offer found gardens for all individuals and all living organisms in our cities. They act as 'epiphytes' on existing architectures instead of parasite constructions.



**Sowilo's Refuge**

Inspired by the bind rune Sowilo representing a time when power will come to you to create positive change in your life, seeking refuge here is to mend your mind and soul, giving you time and space to relax so you can go forth in the future, better and brighter.



