



Tabeer Tariq

ARCHITECT

INTEREST

Adapting technological advancements in the design process to improve workflows, test different iterations and automate process. My interest research interest include generative algorithms design, robotic fabrication, responsive IOT prototypes and simulations. My architecture interest include an empathetic approach to design to rejuvenate well being.

CONTACT

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SKILLS

Scripting grasshopper,
Variation, Ruled based, Cellular modelling

Scripting python

Rhino

Robot Studio, ABB robotics

Arduino

Ladybug

Climate Studio

Motion Capture

Revit

Enscape

Lumion

Auto CAD

Adobe creative suite

Mid journey, Dalle, Stable diffusion, Runway ML

Photogrammetry

GANS

3D printing, Delta Wasp printing

WORK EXPERIENCE

INTERN ARCHITECT - GENSLEER SAN JOSE

June 2022 - August 2022

Confidential Tech client headquarters and research center in the bay area. A design build project which had 6 buildings on campus. Revit documentation work was done which included laying out things on plan, managing changes, HVAC WAP DAS layouts, cladding and recording changes happening in buildings and multiple site visits. I worked with their latest tools in BIM management workflows. The internship included many workshops on design ideation process, technical construct management, design technologies and BIM management, business accusational and client relations. Site visits to completed project Adobe North Tower explaining technical details and challenges the firm faced during FRI's, plan check comments and construction.

AI IN ARCHITECTURAL DESIGN - Guvnec Ozel and Bejamin

June 2021

A workshop hosted by UCLA professors to explore generative and creative potential of architecture and game design. Sampling artistic influences from design related fields such as fashion, media art, sculpture and painting onto architecture

INTERN ARCHITECT - ARCHITECTS BUREAU

June 2018 - August 2018

Designing a residential project in Bahria town Islamabad. Planning iteration, form and facade design, material selection and rendering. We learned strategies of designing a mixed used commercial building based on modular growth and usability, structural system, 3D printing and logics of parametric design in group discussion sessions.

INTERN ARCHITECT - BAYAR ASSOCIATES

July 2019 - August 2019

Designing a residential project which included planning, iterations and detailing of structure. Site visits were also conducted.

RESEARCH ASSISTANT - Dana Cupkova: Project Crumble

Spring 2022

Towards Circular Economies of Materials for Built Environments. Computational analysis and PLA fabrication techniques along with fabrication via Delta WASP 4070 and 2040, 3D PotterBot

GRADUATE TEACHING ASSISTANT - CARNEGIE MELLON

Fall 2022 - Spring 2023

Teaching assistant for M.Arch design studios in both first and second semester. Praxis1: Design for Transitions and circularities and Praxis 2: physics of worldshaping site, tectonics, analysis and imagination

GRADUATE TEACHING FELLOWSHIP OFFER - CARNEGIE MELLON

Teaching fellowship offer for Undergrad studios in their 1st and 2nd semester.

PERSONAL PROJECTS

Residential Architectural consultancy for Sania Zafar - Ryk, Pakistan

Jan 2021 - July 2021

Residential Architectura consultancy for Parveen Irfan - Ryk, Pakistan

Interior Design Project for M.Ikram - Ryk, Pakistan

COURSES

Architectural Robotics - ABB

Introduction to Machine Learning in Design

Python scripting and Parametric design

Urban Design Media - ARC GIS

15-112 Fundamentals of programming and Computer science

Praxis 1 Studio: Design for transitions

Generative Modelling and Systems

Praxis 2 Studio: Physics of world shaping site and tectonics

Inquiry to Computational Design

IDEATE: Possibilistic computational design

Shaping daylight

Materials and Construction systems

ACADEMIC THESIS

Cancer care center (Undergrad)

Sept 2019 - August 2020

The objective was to keep the rules of empathy in mind to develop a secondary therapy facility cancer patients. A design responding to the patients emotions and curating the process of healing by developing mindful connections between the user and nature simultaneously. Exploring the stages of rejuvenation to aid to the process of healing. A center aiming to provide security, care and comfort for patients, a tradition which is not practiced in the local context of Islamabad, Pakistan. The project includes zones for family discussion, psychological counseling, religious counseling, nutrition zones, physiotherapy zones, self care areas, workshops and seminar halls.

EDUCATION

Carnegie Mellon University - M.Arch (Design, Computation)

Fall 2021 - Spring 2023

National University of Science and Technologies: B. Arch

Fall 2015 - Spring 2020

AWARDS

George W. Anderson Jr. Award - Architecture of empathy, A cancer care home

Spring 2021

EXTRA CURRICULAR

Grad Student Association - M.Arch

M.Arch representative for curriculum committee

Fabrication Experience:

Photography

Workshops:

Building Technologies
Design Thinking and Translation
Vertical Studio Rapid Ideation
Digital Futures: Architectural Intelligence
Computational Design

3D printing - Brick facade systems
Laser cutting
Resin work
Physical model fabrication
Origami fabrication
Glass and acrylic work

Director Media Nust Entrepreneur Club
Islamabad startup weekend event coverage
Social Media team reveal coverage
SGU startup grind
IAP heritage walk photography competition 2017 and 2018

LINGUISTICS

English - Proficient

Urdu - Native