PARIA TAHERPOUR

Phone number: +989210391950   Email: pariataherpour@gmail.com   Telegram   LinkedIn

EDUCATION AND QUALIFICATIONS

Sep 2020-Mar 2023   Shahid Beheshti University of Tehran, Tehran, Iran

MSc in Architecture and Energy Engineering - GPA: 3.72/4.0

Some semesters' subjects: Architectural Lighting, Indoor Environment Quality (IAQ), Visual and thermal Comfort, weather data analysis, Mechanical, Electrical and control systems of buildings, Dynamic facade design, Sustainable design, Building energy simulation.

Dissertation project: *"**Development of a Native Software Framework for Artificial Environment Design: Evaluation of Non-Image Indicators of Daylight in Indoor Spaces"**.*

Involved literature survey, assessing **visual comfort** and **non-image forming** effect of light, human **well-being** parametric simulation, machine learning, Lark spectral lighting v.2.

Graduation Date: 05. Mar. 2023

Jan 2016- Feb 2020   Tabriz Islamic Art University, East Azerbaijan, Iran

BSc in Architecture Engineering - GPA: 3.68/4.0

Semesters' subjects included: Conceptual design, Technical design, Construction materials, Mechanical and Electrical Installations, Environment, Human Nature Architecture

Dissertation project: *" Space design for native Kurdish music of Ilam city with the approach of renovating urban green spaces".*   Graduation Date: 11. Feb. 2020

Sep 2012- Jun 2016   Kharazmi High School

Mathematics and Physics - GPA: 3.91/4.0

Included Physics, Maths, Statistics, English

WORK EXPERIENCE

April 2024–Now   **Senior Lighting Designer and Mentor, Up Green Grade group (Tehran, Iran)**
- Lighting design, Assessing and simulating illuminance levels in built environment, **visual comfort** and **energy consumption** in architectural projects

May 2022–Jan 2023   **Energy & Indoor Environment Quality Consultant, Aleshtar+Fard Architecture**
- Assessing indoor air quality (IAQ), Daylighting and artificial lighting designs, occupant's thermal comfort, and building energy consumption
- Checking final design with national regulations and international building rating systems (BREEAM, LEED, WELL)

Sep 2020–Mar 2022   **Architecture and Facade Designer, Maron Architectural Office, (Ilam, Iran)**
- Designing architecture plans and parametric facades based on national regulations

ACADEMIC EXPERIENCE

May 2023–Aug 2023   **"14th GhPython + Cellular Automata" Course_** Certified Participant

Jul 2022–Oct 2022   **"ML & Python scripting in Building Science" Course_** Certified Participant

Apr 2021–Sep 2020   **Collaboration in compiling Lighting Standards in Iran (SBU)_** Researcher and Translator

Nov 2020–Jun2020   **Tutor in University of Ilam, Shahid Ahmadi Roshan Program of the National Elite**

Foundation _ Course: *"Parametric Design by Rhinoceros 3D modeling software"*

Research Interests

Health and Indoor Environment Quality, Image and non-Image Daylighting, Passive Daylighting, Enhance Visual Comfort, Integrative design, Cognitive Performance, Circadian System, Adaptive Building Systems, Energy Efficiency, Building Performance Simulating, Adoptable Design, Predictive Models, Digital Twins

Journal Papers

1. Paria Taherpour, Zahra Sadat Zomorodian. (2024). *Evaluation of the impact of architectural features on non-image daylight indicators* – (Under review). LEUKOS The Journal of the Illuminating Engineering Society.
2. Amirali Gh.Zirak, Paria Taherpour, Elham Saligheh, Paria Saadatjoo (2024). *Urban Microclimate and Climate Change Evaluation: A ML-based Approach Applied to NYC* (Preparing to submit). Building Simulation.
3. Parisa Rahehagh, Paria Taherpour. Zahra Sadat Zomorodian. (2021). *Investigating effective parameters in the design of light wells, in a common example of residential buildings, Case study: an apartment in Tehran* –The 5th International Conference on Global Studies in Civil Engineering, Architecture, and Urban Planning. (Published_Conference paper)

Technical Skills

Building Performance Simulation: Lark v.3, ALFA, DIALux, Ladybug tools, Climate Studio, DesignBuilder, Radiance, DIVA

Programming, Machine Learning and IDE : Python, GHpython, Supervised Machine Learning, Deep Learning, Jupyter Notebook, Visual Studio, Google Collab

3D Modeling: Rhinoceros, Grasshopper, Autodesk Revit, AutoCad, Sketchup

Graphic Design: Adobe Photoshop, Indesign, Adobe Illustrator, Corel Design

Language Skill: Fluent in English (C1 level, Ielts score:7)

Honors and Acheavements

Sep. 2023 • Shortlisted in the 13th edition of the International Architecture and Innovation Competition 2023 (Sustainable Marine Support Center)
Sep. 2020 • Ranked 8th among +100,000 students in the Master's degree entrance exam
Feb. 2020 • Ranked (A) in Architecture Engineering at the end of the BSc program
Sep. 2019 • Elected Secretary of Tabriz University of Islamic Art Students Scientific Association
Sep. 2015 • Among the top 1.00% of students in the university entrance exam in Iran

Selected Master Program Courses

- **Dynamic Facade Design** (Subtasks: Parametric facade design for an office building, Assessing visual comfort, Daylighting condition, performance review of Passive and Active Strategies and Coordination with international and national requirements and certifications)
- **High-Performance District Design** (Subtasks: the parametric study, Optimization, Lighting condition, IEQ Assessment, Feasibility, and performance review of Passive and Active Strategies, Energy Assessment, and Coordination with international and national requirements and certifications)
- **Low-Energy Residential Neighborhood** (subtasks: same as previous)
- **Home Energy Audit** (Checking coordination with the 19th section of national regulations)
- **Fire-Resistance Assessment** (Checking coordination with the 3rd section of national regulations)
- **Acoustic Assessment** (Checking coordination with the 18th section of national regulations)