Zahra Raees Karami
Masters in Building Science

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Professional Profile

As a building science graduate from the Shahid Beheshti University of Tehran, I have achieved the top 0.1% in the Iranian Universities Entrance Exam for a bachelor's degree, earning me a National Scholarship. I have attended machine learning and data analytics courses in building science, focusing on clustering analysis. My passion for climate change has led me to incorporate solutions into my designs. My master's thesis evaluated strategies to reduce energy demand in Iranian climates using unsupervised machine learning techniques and sensitivity analysis. Additionally, I have a love for graphic design and data visualization.

Education

- **Master of Building Science**
  Shahid Beheshti University, Tehran, Iran — 2020 Sep - 2023 Feb

- **Bachelor of Architecture Engineering**
  Shahid Beheshti University, Tehran, Iran — 2015 Sep - 2020 Feb

Research Interests

- Climate Classification
- Climate-Based Architecture
- Data Science in Architecture
- Urban Resilience
- Sustainable Materials
- Residential Complex Restoration

Teaching Experience

- Graphic Design in Architecture, Teaching Three Online Courses with Science Association of Architecture at Shahid Beheshti University, Tehran, Iran

- Regulating Environmental Conditions 1, Teacher Assistance, One Semester at Shahid Beheshti University, Tehran, Iran

Career Summary

- Working and content generation on a published book for literature with Alireza Abdolmohammadi for Olgoo publishers — Jun 2015 - Sep 2015

- Junior architect in Tarhe Parhoon studio — Jun 2019 - Sep 2020

- Architect and manager of social networks and content creation for Mehraz Farahani Architecture Company — Jan 2021 - Sep 2021

- Graphic designer and social media manager for Khooshe_online — Sep 2021 - Mar 2022

- Architectural design, graphics and management of social networks and branding as a freelancer — Sep 2020 - Now

- Architect and Graphic designer in Hamila Tower Interior Design team — Mar 2023 - Now

● Architect and Graphic Designer at Farshad Mehdizade Design Co. **Jan 2023 - Now**

● COO and Social Media Manager at Bingol Accessories CO. **Feb 2023 - Now**
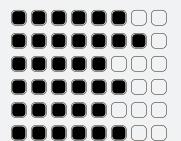
Relevant Skills

● **Softwares - Tools**

Skill	Level		Skill	Level
Autodesk Revit	■■■■■■□□		Adobe Photoshop	■■■■■■■□
Autodesk Autocad	■■■■■■■□		Adobe Indesign	■■■■■■◧□
Sketchup	■■■■■□□□		Adobe Illustrator	■■■■■■■■
Rhinoceros	■■■■■■□□		Adobe AfterEffects	■■■■■◧□□
Grasshopper	■■■■■□□□		Design Builder	■■■■■■□□
Orange 3	■■■■■■□□		DiaLux	■■■■■■□□
Climate Studio	■■■■■■□□		LadyBug Tools	■■■■■■□□

● **Other Skills**

Skill	Level		Skill	Level
Python Programming	■■■■■◧□□		Data Analysis	■■■■■□□□
Machine Learning	■■■■■■◧□		Data Visualization	■■■■■■■□

Professional Memberships

● Cooperation with the Architectural Student Association of Shahid Beheshti University **Sep 2016 - Jun 2019**

● Member of the executive team with the National Center for Contemporary Architecture (NCAC). **Jun 2019 - Sep 2019**