



FARIMAH

BUILDING ENGINEER



Milano, Italy

About Me

As a Building and Architectural Engineer, I've developed expertise in design, project management, and construction detailing for residential and industrial projects. With a passion for sustainability, I'm pursuing a Master's in Building Engineering at Politecnico di Milano. Immersed in Building Energy Modeling, Energy Efficiency, LCA, and HVAC systems. My goal is to champion renewable energy use and implement innovative strategies for energy optimization, contributing to a more resilient future.

EDUCATION

M.Sc., in Building and Architectural Engineering

Politecnico di Milano, Italy

Sept, 2022-Dec, 2024(Expected)

Courses: (Building Services and Building Services Energy Modeling, Building Energy Modeling and Design, Earthquake Resistant Design and Advanced Materials for Structural Rehabilitation, Structural Analysis.)

M.Sc., in Architectural Engineering

Mohaghegh Ardabili University, Ardabil, Iran

2015-2017

B.s in Architectural Engineering

Tabriz Islamic Art University, Tabriz, Iran

2011-2015

SKILLS

Software: IESVE, Python, Midas, Ansys, AutoCAD, Photoshop, 3d Max, V-ray, Revit, Grasshopper, Rhinoceros, GIS, Microsoft Office, Microsoft Project.

Soft Skills: Hard Working, Problem Solving, Leadership, Communication, energetic.

LANGUAGES

English (Proficient), Farsi (Native), Azerbaijani (Native), Turkish (Proficient), Italian(Beginner)

ACHIEVEMENT

Ranked 1st among graduated students in the Master of Architecture in 2017.

Ranked 8th among graduated students in the bachelor of Architecture in 2015.

Ranked 120st among 15000 students in the entrance exam for Master's degree, Iran.

VOLUNTEER EXPERIENCE

Mathematics Teacher at Imam Ali Charity, Tabriz, Iran. 2017-2020

Mathematics Teacher at Basir Blind Art Cultural Institute, Tabriz, Iran. 2016-2021

WORK EXPERIENCE

Architectural Engineer

2019-2022

Led the design and construction supervision of a Paper factory project at AzarPinar Construction Company, Tabriz, Iran.

2018 - 2020

Led the design and construction supervision of a 10-story residential building in AzarPinar Construction Company, Tabriz, Iran.

2017 - 2018

Technical expert at the technical office of Farazrah Hasti Company, Working on the Tabriz Metro project, Iran.

TEACHING EXPERIENCE

Lecturer

2017 - 2022

University lecturer for bachelor's degree at the Al-Zahra I University, Iran.

Courses: (Architectural Design 1, Technical Design, Materials and Methods of Building Construction, Architecture Culture and Community)

2014 - 2015

Teaching Assistant of Prof. Abbas Ghaffari in Architectural Design 2, University of Tabriz, Iran.

ACADEMIC RESEARCH & PROJECT

ACADEMIC MASTER'S PROJECT (Building Engineering)

1- Building Services and Building Services Energy Modeling:

- Heating System analysis,(Modeling of two-floor building and modeling and simulating the heating system of the building consisting of condensing boiler, water pipes, pump, and fan coil.)
- Air Handling Units and Chiller, (This project aims to simulate the ideal system to assess the energy needs and energy balance to design the air handling unit and chiller for an office space located in Bologna.)
- Photovoltaics and Cost-Benefit Analysis(The project's main goal to realize a PV system for the case study and to evaluate this new system with a cost-benefit analysis using IESVE- Single-family house, simulated for the climate of Bologna, Italy.)

2- Building Energy Modeling and Design & Lab:

- Project Location in Segovia, 1-Climate Analysis, 2-Energy Performance (and thermal comfort) based design, 3-Dynamic modeling, 4-Detailed, user-centered optimization, 5- Detailed building operation optimization.

3- Earthquake Resistant Design in Perugia

- Modeling of dynamic response of a RC structure in the Elastic and inelastic range seismic design of 4-story Dual system RC building based on EUROCODE 8 and NTC-18 (using MIDAS Gen)

4- Building Process and Information Management

- Analyzing the flat roof component of residential buildings in Milan.

5- Advanced Building Physics

- 1-Thermal comfort analysis (application of the PMV method in during the heating and cooling period.), 2-Natural ventilation (analyze the effectiveness of a natural ventilation system based on the stack effect.), 3-Lightning comfort, 4- Energy balance (Impact of U-values, The SHGC of windows, The air mass flows on the inner temperature of a given building). 5- Urban building energy modeling, 6- Life cycle assessment(analyze the energy consumption of a building and the related environmental impact.)

ACADEMIC MASTER'S PROJECT (Architectural Engineering)

Bahamestan Design with an Adaptive Facade Approach in order to increase energy efficiency

ACADEMIC BACHELOR'S PROJECT

Design of Contemporary Art Exhibition Center