

# IREM ERPOLAT

Linkedin GitHub

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Istanbul, Turkey

## EDUCATION

### Politecnico di Milano

Sep 2019 – Mar 2023

Milan, Italy

- Bachelor of Science in **Architectural Design**, GPA 91/110 (24.8/30)
- **Final Project:** Development of Public Spaces in Different Contexts
- **Relevant coursework:** Traditional and Innovative Materials for Buildings, Fundamentals of Representation, Architectural Technology Fundamentals, Heritage Preservation Fundamentals, Urban Planning, Building Technology, Elements of Architectural Typology, Interior Design, Project Evaluation, Mechanics of Materials and Structures, Building Physics

## WORK EXPERIENCE

### MCS Engineer Construction Management Inc.

Sep 2023 – Ongoing

Istanbul, Turkey

#### Architectural Assistant

- Work on the Ciragan Palace Kempinski Istanbul redesign project aimed to combine modern designs with the historical textures of the hotel building to produce an updated, elegant and authentic exterior and interior
- Inspect and assess rooms for design and architectural elements continually during the project to ensure quality
- Keep notes during design and construction meetings to ensure the timely completion of every project goal
- Take measurements and photos before the project's beginning and after for comparisons and reports

### C Concept Design BV

Summer of 2022

The Hague, Netherlands

#### Trainee

- Reviewed manufacturers for green wall constructions for the renovation project of the Rotterdam Building and worked alongside the engineer to help them pick a contractor for the work, discussed several designs and created Photoshop mock-ups for the Rotterdam Building project
- Researched resorts in the United Republic of Tanzania to create a booklet for the investors of the eco-resort project before they visited the project site
- Modified the architectural plans, graphics and 3D materials to be sent to the clients for the Dar Es Salaam project after changes based on the on-site inspections and considerations
- Created 3D models for potential clients to give them an idea of the proposed projects

### ERP Yapi (Construction)

May – Jun 2021

Istanbul, Turkey

#### Trainee

- Observed how Canadian-style wooden houses are designed on paper and then later translated into physical constructions, beginning from setting their foundation
- Kept track of the scheduling of the construction and inspected their progress and punctuality

## FINAL PROJECT

### DEVELOPMENT OF PUBLIC SPACES IN DIFFERENT CONTEXTS

#### Halic Shipyard Renovation Plan [3-Person Group]

Jan – Jun 2022

- Identified how pedestrians experience the area, how the area is connected to the main highway and other transportation methods, and which nearby areas are frequently visited to figure out priorities in the design
- Conceptualized an authentic architectural signature using historically and locally valued buildings including the Tersane-i Amire Anatolian High School building and the old shipyard pools as reference points to preserve their historical and cultural memories by integrating them into the new communal designs
- Created a social space that includes waterfront pedestrian roads, a museum, an exhibition area, a cinema, an amphitheater, a tramline and a hotel; ensuring car-free transportation with full connectivity to the city

## **Mercato Gorla Public Complex Design [3-Person Group]**

**Sep 2020 – Jul 2021**

- Planned a public complex from scratch where Mercato Gorla is on the main road at Viale Monza that would provide a free and welcoming “hiding spot” to locals that would accommodate both social and private activities
- Identified the territorial fragilities of the neighbourhood being the lack of greenery and public parks, prioritizing them in our design by creating a circular economy using communal floor and rooftop gardens and a rooftop greenhouse that could be utilized to grow seeds procured from the flower shops in the complex and grow food to provide for the nutritional needs of the community with assistance and lessons from urban farmers

## **Milano Train Station Conversion Project [3-Person Group]**

**Jan – Jun 2021**

- Conceptualized how the disused Porta Romana railway yard in Milano can be first converted into an athlete complex for the 2026 Winter Olympics and, after the Games, could be converted to student housing
- Designed a 7-floored building for a fixed amount of people and with specific necessary facilities such as a polyclinic, library, study space, café and more, following regulations for accessibility, and with the environment and the architectural style of the surroundings in mind
- Used angles and courtyards to separate communal areas from the private living quarters whilst prioritizing attractive communal spaces that encourage social interactions and physical activities to enhance belonging
- Planned out what materials and construction techniques are necessary for these plans to be actualized practically, paying special attention to durability and eco-friendliness, drawing protracted floorplans from multiple angles

## **OTHER PROJECTS**

Please see my GitHub for more information on my projects.

[irem-erpolat.github.io/portfolio](https://irem-erpolat.github.io/portfolio)

## **CERTIFICATES**

### **DelftX: Façade Design and Engineering - Complexity Made Simple**

**In Progress**

- Study the foundational knowledge and practical skills necessary for effective façade design and engineering, emphasizing sustainability, energy efficiency, and modern aesthetics, designed by the founding members of TU Delft’s Architectural Façades & Products Research Group in association with the European Façade Network

### **Strategies for Designing with Integrated Lighting and Acoustic Solutions**

**Nov 2023**

- Investigated the significance of acoustics in architecture and delved into the core principles of sound management to elevate the design of interior spaces, aiming to optimize the comfort of occupants
- Examined cutting-edge tools for addressing challenges in both sound and lighting, while also gaining insights into the standards that regulate acoustic requirements across a variety of applications

### **Post-Covid Building Design**

**Oct 2023**

- Studied identifying the significance of health concerns associated with the COVID-19 pandemic concerning building design and product selection
- Assessed safety aspects to safeguard buildings, occupants, and owners from harm and damage and how to implement welfare-centric aspects to design and promote equitable access, enhancing the human experience with thought for daylight and outdoor access for sustainable design

### **Achieving Beauty, Wellbeing, and Functionality in Design**

**Oct 2023**

- Examined several design elements and tricks to improve space functionality, acoustics and air quality while improving the wellness of the people in the environment such as pavers, skylights, and underlayment

## **SKILLS AND HOBBIES**

- **Software:** Rhino, Sketchup, Adobe Photoshop, V-Ray, AutoCAD, Adobe Illustrator
- **Language:** Turkish (Native), English (Advanced, IELTS 7 [2018]), French (Intermediate, DELF B2, [2018]), Italian (Beginner)
- **International Tests:** AP Calculus (5/5), AP French (4/5)
- **Sports:** Tennis, Basketball (licensed in primary school), Fitness, Pilates
- **Interests:** Piano, guitar (passed Grade 2 from London College of Music Examinations)