

IREM ERPOLAT

LinkedIn GitHub

iremerpolat2000@gmail.com | Istanbul, Turkey

EDUCATION

Politecnico di Milano

Milan, Italy

Sep 2019 – Mar 2023

- 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

FINAL PROJECT

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
- Using historically and locally valued buildings including the Tersane-i Amire Anatolian High School building as reference points, came up with an authentic architectural signature; also made use of the old shipyard pools 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 whilst prioritizing attractive communal spaces that encourage social interactions and physical activities to enhance a sense of belonging
- Used angles and courtyards to separate communal areas from the private living quarters
- 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

Varese Museum Artist Installation and Microhome Project [4-Person Group]

Sep 2021 – Feb 2022

- Built a mini smart house in the Varese Museum meant just for the chosen artist to live in for one month, using fungi as materials in the 3D-printed project
- Designed an installation to showcase the artist and their work as a museum piece as a side-project

Milano Primary School Renovation Plan [3-Person Group]

Sep 2021 – Jan 2022

- Created a new design for an old Milano primary school that would take into account the large and old trees in the lot to make sure they are unharmed and integrated into the new buildings

Pavia Social Housing Design [3-Person Group]

Sep 2019 – Jun 2020

- Designed a social housing facility in an empty lot in Pavia with a mind for the architectural style in the vicinity, fragilities, and future residents' needs

Examination of Barcelona Throughout History [4-Person Group]**Jan – Jun 2020**

- Studied Barcelona's maps, city plans and population on micro/macro levels, researched the reasons for their fluctuations throughout time, and wrote 6 reports for 20–30-year time periods
- Drew our own maps and graphics to showcase the changes in Barcelona throughout the decades

Gedikpasa Heritage Examination [3-Person Group]**Jan – Jun 2020**

- Researched the cultural and historical significance of Gedikpasa, Istanbul and its buildings
- Determined a culturally significant heritage site that has been dilapidated beyond human activity and wrote a report on how the area can be renovated in a way that would preserve its cultural and historical signature

On-Site Observation Reports for Houses During Construction**Sep 2019 – Jan 2020**

- Surveyed houses still in construction and finished houses in a construction yard to observe materials and technologies used during different phases of construction and the techniques used in construction
- Reviewed and reported on these observations with drawings, photographs and text in a site report

Analysis and 3D Recreation of Frank Gehry's Winton Guest House**Sep 2019 – Jan 2020**

- Analyzed plans of the building and studied its axonometry, shadow/light, and topography with 2D drawings
- Reconstructed the building in 3D space with physical materials and later digitally using the software Rhino to dissect the configuration of the architectural space

WORK EXPERIENCE

C Concept Design BV**Summer of 2022****The Hague, Netherlands****Intern**

- 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
- 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 their visit to 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****Intern**

- 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

LemayMichaud**Jul – Aug 2017****Montréal, Canada****Intern**

- Joined the design phase of a new hotel project to observe, and presented ideas on the new building and new room concepts created on Sketchup
- Took field photographs of a prospective construction site for initial research
- Collated the public reporting on LemayMichaud from archives, newspapers and online websites

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)