ARCHITECTURE

2023-2024 ACADEMIC YEAR STUDENT PROJECTS



FACULTY OF ARCHITECTURE AND DESIGN DEPARTMENT OF ARCHITECTURE STUDENT PROJECTS | 2023-2024 ACADEMIC YEAR

DEPARTMENT OF ARCHITECTURE

Vision of the Department

To be a pioneering department that raises professionals who constantly develop in terms of education, scientific research, and contribution to society, with high international recognition in the field of Architecture and sensitivity towards environmental problems and the city.

Mission of the Department

Bahçeşehir University Faculty of Architecture and Design, Department of Architecture aims to use the potentials of being in the center of Istanbul to do the following; to support formal education with extra-curricular education opportunities, an innovative education approach, and use of leading education methods and technologies; to adopt the principle of raising professionals who can engage in inter-disciplinary and innovative initiatives and studies via sectoral collaborations while considering sustainable development goals, have critical and creative perspectives, take part in academic and professional studies on a local and global scale with their knowledge and skills, and contribute to the society.

Prof. Dr. Devrim Isikkaya BAU Head of the Department of Architecture

ACADEMIC STAFF

Prof. Murat DÜNDAR (Dean)

Prof. Devrim IŞIKKAYA (Department Chair)

Assoc. Prof. Yiğit YILMAZ (Associate Dean)

Assist Prof. Sinem KÜLTÜR (Associate Dean)

Prof. Emine Ümran TOPÇU

Prof. Irem MARO

Prof. Meltem VATAN

Prof. Nilay ÜNSAL GÜLMEZ

Prof. Sema SOYGENİŞ

Assist Prof. Aslı VARON

Assist Prof. Belinda TORUS

Assist Prof. Berna YAYLALI

Assist Prof. Dürney ATILGAN YAĞAN

Assist Prof. Göksun AKYÜREK ALTÜRK

Assist Prof. Maan CHIBLI

Assist Prof. Melek Elif SOMER

Assist Prof. Mine DİNCER

Assist, Prof. Neslihan AYDIN YÖNET

Assist Prof. Pınar ŞAHİN

Assist Prof. Serengül SEÇMEN

Assist Prof. Zeynep Gül SÖHMEN TUNAY Teaching Assist. Ayşe Eda ADIGÜZEL

Instructor Nazlı DÖNGEZ

Teaching Assist. Büşra ATAM

Teaching Assist. Canay TUNÇER

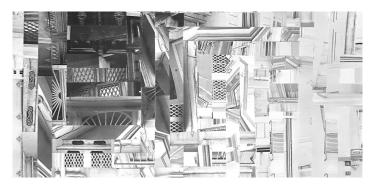
Teaching Assist. İhsan Sefa ÖZER

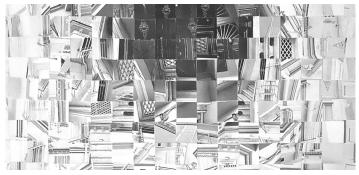
The ARC1001 Basic Design Studio in the Fall semester of 2023-2024 focused on introducing first-year architecture students to design principles, spatial perception, and creative processes through three distinct projects. The first project, "Abbasağa Variations, explored urban context and design principles like rhythm and balance through collage compositions based on photographs of local buildings. The second project, "Cube-Net," encouraged students to translate the mood and structure of a selected music piece into a three-dimensional cube using layered materials, grids, and light experiments. Lastly "An Idle Path" involved designing a promenade integrated with a topographical site model emphasizing human body-scale relationships sensory experiences, and spatial narratives

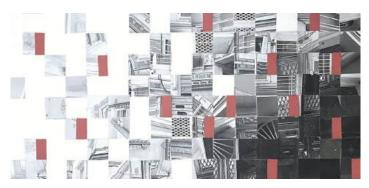
These projects offered students hands-on experience in critical thinking, collaborative work, and innovative design approaches. By blending analysis, experimentation, and creative expression, the studio nurtured foundational skills that prepare students for more advanced architectural challenges.

Göksun Akyürek Altürk (coordinator Pınar Şahin (coordinator) Zeynep Gül Söhmen Tunay Canan Ganiç Deniz Tümerdem Hande Ceylan Tansel Dalgalı Yasemin Yılmaz Üsküplü

ARC 1001 Basic Design







Abbasaga Variations | Elif Ilhan

This project focuses on the abstraction of architectural features of residential buildings in Abbasağa, near the North Campus. Focusing on architectural elements such as materials, textures, proportions, and details, project aims to create collagese that employs basic design principles like continuity, harmony, rhythm etc.

Confusion of Arrakis |

Adan Faruja

"Dream of Arrakis" opens with metallic screeches and bell-like tones, building to deep drums and explosive highs. The song evokes mystery, fear, and tension, with dense, unsettling notes and shifting tones suggesting approaching danger. The project translates these emotions through layers of "unorganized mesh, square mesh, and threads," capturing the song's echo and depth.













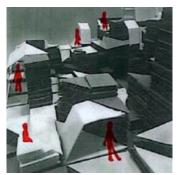


















Folded Canyon | Selin Altuncu

The project features a promenade with activities like seating, dining, and observation areas. Folded, repetitive elements create harmony, coverings, and semi-lit spaces. Using triangular and square modules, the topography forms a canyon-like landscape, enhancing usability and comfort.

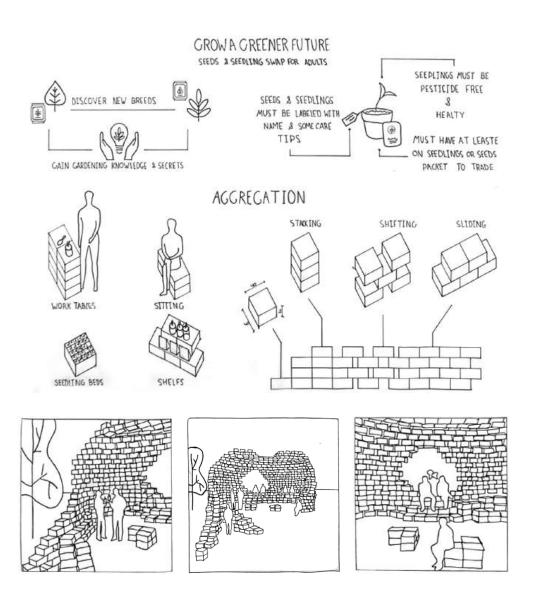


The ARC1002 Design Studies Studio in the Spring semester of 2023-2024 focused on sustainability adaptability, and social impact through two distinct projects. The first project, "Stop'n Swap," invited students to design modular public spaces for community goods exchange, emphasizing interaction environmental awareness, and flexibility. Students conducted site analyses, developed concepts, and created scaled models using techniques like folding aggregation, and wireframing. The second project "Reconnect," addressed post-disaster recovery architecture, with timber-based modular designs fostering social interaction and resilience. Teams explored material properties, developed technical drawings, and built 1:1 scaled components to propose adaptable and sustainable architectural solutions

Both projects provided students with hands-on experience, encouraging critical thinking, creativity, and collaboration. By blending conceptual development, material experimentation, and practical design processes, the studio equipped students with essential skills to address real-world architectural challenges.

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ARC 1002 Design Studies

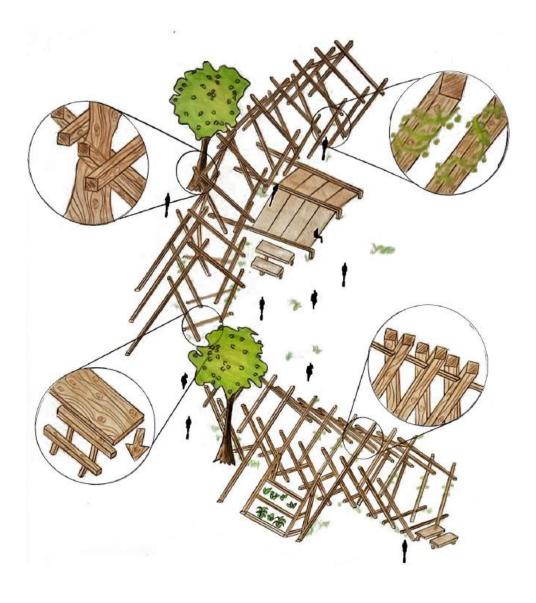


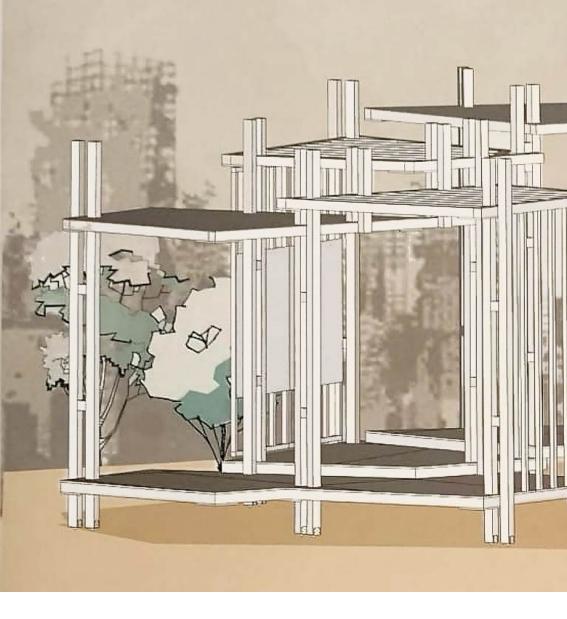
Blooming Exchange | Ameen Kadaan

A vibrant hub for plant enthusiasts to swap seeds, share gardening knowledge, and explore sustainability. Unified spaces include workshops, cozy seating, swap zones, and gardening beds, fostering connection and learning. The design promotes biodiversity and community in an eco-friendly setting.

Spine | Moozhan Gholinataj

The Spine is a 70 m², 3 m-high semi-open tunnel-like structure designed to harmonize with its topography. It supports activities like plant swapping and care, with timber extensions for built-in plant pots and storage. Its open design allows plants to grow within the structure while offering views of the surrounding park. The project blends people and nature, creating a space that connects the interior with its environment.





Arch-Aid | Ameen Kadaan, Bengisu Sakar, Efe Poyraz Ulper Eymen Sen, Irem Sekerci, Madina Baghirli, Rahaf Abuain, Melike Naz Suaipoglu, Lara Ezgi Oktay, Ethar Hassan Abdulhameed Hassan Elbeisi



This initiative establishes a post-disaster communication hub for ages 15-20, addressing their social, emotional, and financial needs. Through skill sharing and community boards, it provides material assistance and open communication, fostering belonging and empowerment.

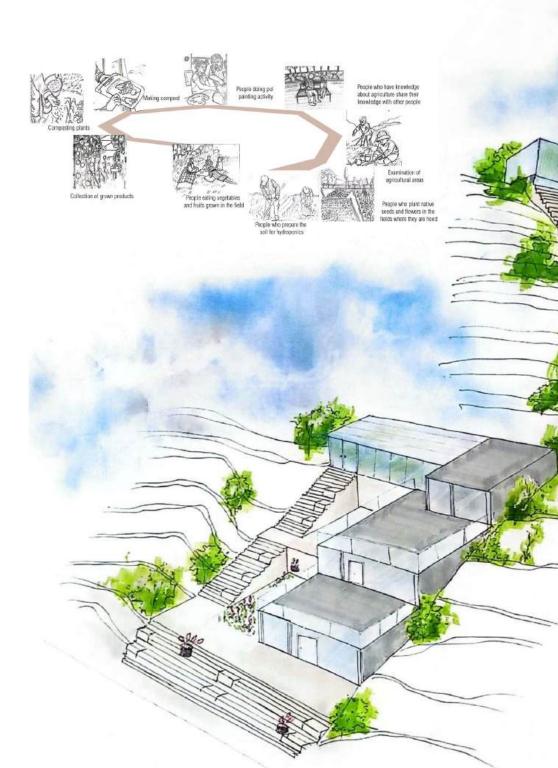
The hub, made primarily of timber for its sustainability and quick assembly, creates a warm, resilient space for support. Its low carbon footprint ensures environmentally responsible, lasting aid.

Students of ARC2001 studied the changing and deteriorating neighborhoods of İstanbul: Çengelköy and Gülsuyu. Neighborhood was the material to reconsider in terms of social, cultural, political technological, and contextual aspects affecting "how we design" in the context of "how we live". Students searched for characteristics of the neighborhood in multiple aspects and represented and questioned them with appropriate tools and techniques. Through analysis and research, students developed scenarios and programs and an architectural proposal to be the infrastructure to serve the commons and everyday life of the neighborhood.

Durnev Atılgan Yağan (coord.)
Berna Yaylalı
Aslı Can Varon
Kutsan Özoral
Seda Civelek
Dilara Demiralp
Ethem Turan
Canay Tunçer Yıldırım (T.A.)

ARC 2001

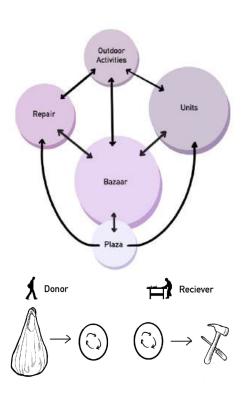
Architectural Design Studio I





Community Garden | Sıla Nur Karabatak

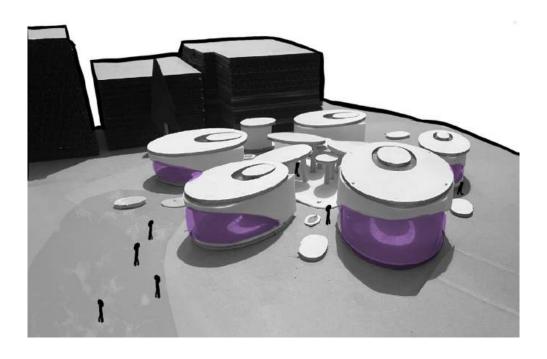
The project envisions a community garden fostering sustainable agriculture and social interaction. It features research spaces, greenhouses, compost areas, and agricultural fields, creating a learning and production hub. By integrating nature with urban life, it promotes environmental awareness and communal engagement.



Ratio Reuse

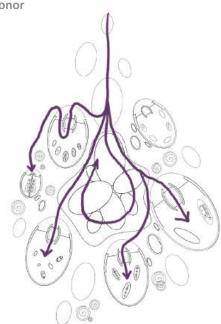
Yasmine Saleh

Because of trash and abandoned items, the peaceful neighbourhood of Cengelkoy struggles to establish a clean and uniting environement along the neighborhood. A centre for material reuse can lower costs, encourage sustainable behaviours, and facilitate participation. The building has four apartments, a repair business, a lavatory and a covered space for gathering places and weekly bazaars.



Circulation Routes

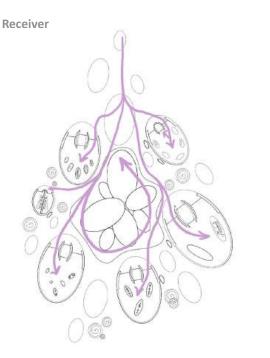
Donor



Shadow and light due to glazing

- Furniture according to unit func
- Roof system with glazing
- Sub-unit for tagging system for donors
- Base wall with glazing for natural lighting and enclosure

Unit Setup





Recent disasters like earthquakes, floods, droughts all over the country have reminded the significance of making cities resilient in Turkey. In line with that, the urban renewal of poorly constructed buildings seems to be an urgent obligation in Istanbul, housing almost one fifth of the overall population of the country differentiating itself from the ongoing gentrification processes. As the studio theme, we offered interim social (rental) housing to be subsidized by local and central administration and provide affordable rentals to people in the neighborhood (homeowners and renters) for a 1-2 year period during the renewal, reconstruction process. The project was expected to aim to reduce the vulnerability of disadvantaged groups by addressing various household types and age groups, resulting in a variation in the size and spatiality of the housing units provided.

Within this context, Mahmut Şevket Paşa neighborhood was selected to be studied at the studio. Students started developing a critique of existing housing environments and how they fit whom they serve. They provided the necessary documentation, maps, and research on the context of the site. They defined the scenario, mix, weighting, and architectural program of the housing proposals for the characteristics of their selected sites.

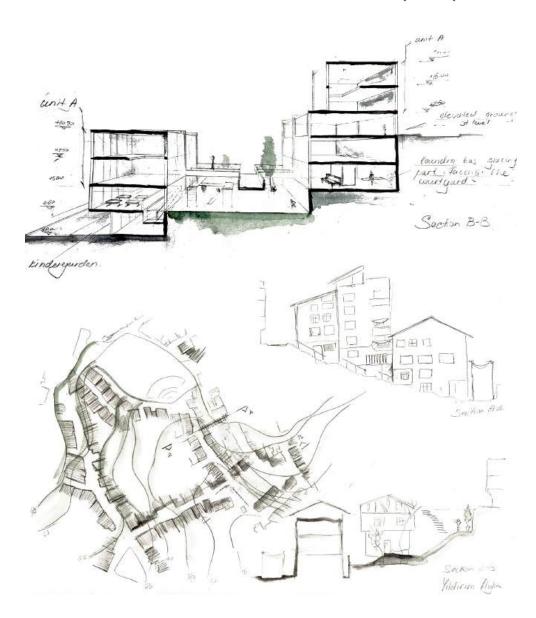
Nilay Ünsal Gülmez (coord Berna Yaylalı Aslı Can Varon İlhan Aydın Meltem Hatidza Isanovic Dilara Demiralp Ethem Turan Canay Tunçer Yıldırım (T.A.)

ARC 2002

Architectural Design Studio II

Housing Units | Aylin Yıldırım

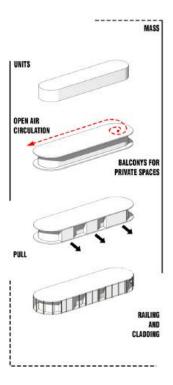
The relationship of housing units create a promenade, which provides different scenarios and emotions for passersby, for example having a view form the bridge on the closed kindergarten playground, or passing through gathering area for neighbourhood. Created places can provide residents with various spaces, like private living units, gathering places for neighbours, common areas for daily activities, or open social spaces.

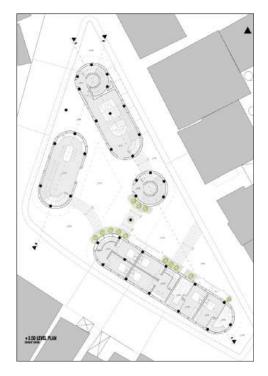


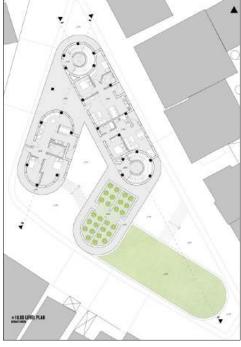
Shifted Porosity |

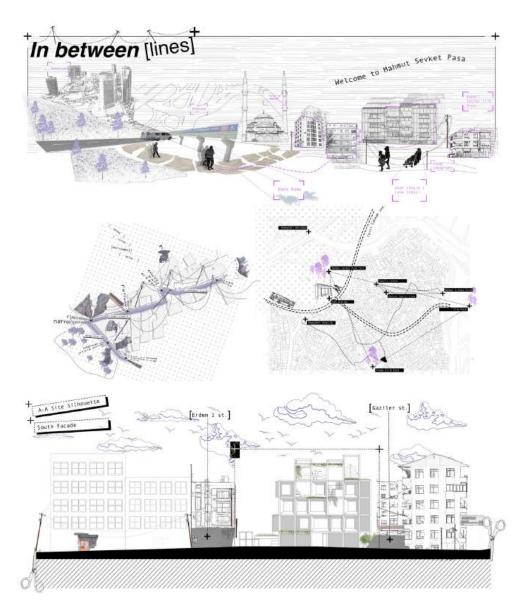
Berkay Ergün

This project explores urban dynamics through sensory mapping, movement analysis, and spatial layering. By integrating public and private spaces, it fosters social interaction while ensuring privacy. The project focuses on creating a contrast between compact surroundings and the plot. By creating openings at different levels, a porosity effect is achieved. To avoid an overly compact appearance, the units are pushed and pulled, giving the facade a more dynamic and layered impression. Transparent materials, open-air circulation, and modular units create a dynamic environment shaped by neighborhood needs.



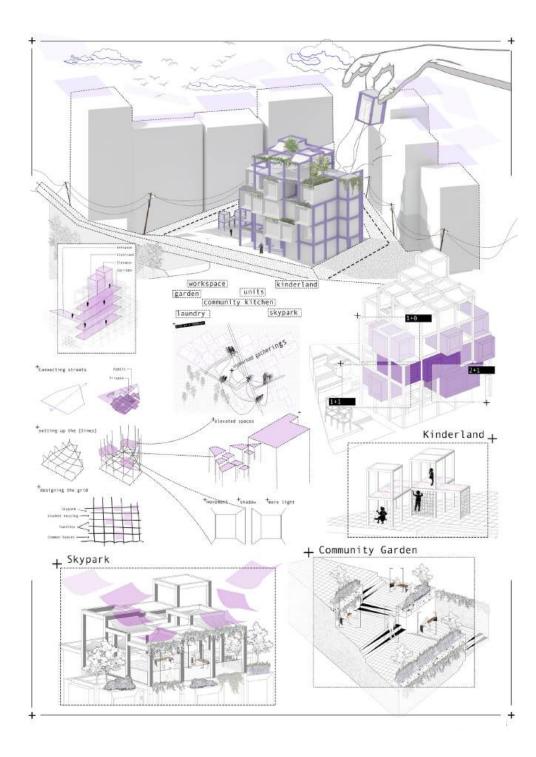






In Between [Lines] | Umid Akhundlu

The project focuses on social housing in the Mahmut Şevket Paşa neighborhood, addressing the impacts of gentrification. The design centers on "lifelines," physical lines and cables that symbolize the continuity of the neighborhood's identity and the resilience of its community. The project aims to offer temporary units to displaced residents, acknowledging their struggles and supporting their role in shaping the neighborhood's future.



Serengül Seçmen (coord.)
Salih Ceylan
İrem Maro Ümran Topçu Meltem Vatar
Boğaçhan Dündaralp Ahmet Ergelen
Eda Erkan
Büşra Atam Yüksel (T.A.)

ARC 3001

Architectural Design Studio III













Design and Innovative Center | Suhaib Elrishi

The project features a promenade with activities like seating, dining, and observation areas. Folded, repetitive elements create harmony, coverings, and semi-lit spaces. Using triangular and square modules, the topography forms a canyon-like landscape, enhancing usability and comfort.

Urban Farming Initiative | Batuhan Uluç Uyanık

The program focuses on enhancing food quality and yield through seed modification. Initially, regular seeds undergo research and testing to develop improved, high-yield These modified seeds variants. are then cultivated in controlled environments to ensure viability. Following successful trials, smallgreenhouse cultivation refines the process before largescale distribution. Once proven effective, the seeds are voluntarily introduced to local communities for widespread agricultural use. The final stage involves distribution commercialization. production supplies local schools and youth centers with nutritious food, while surplus products are made available in grocery stores for easy public access.

























The Culture and Traditional Research Center

Dalial Dzhbeili

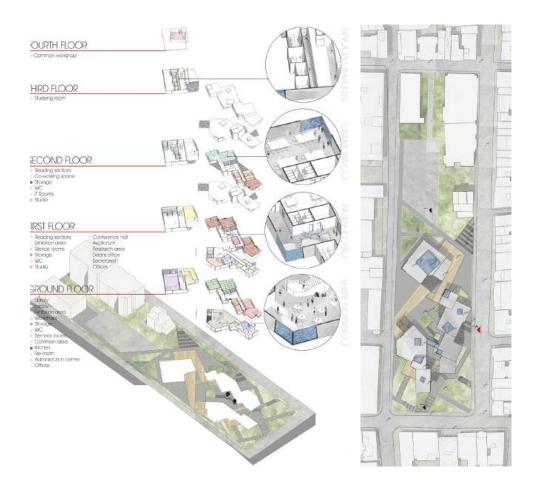
This center in Yenibosna is built to support cultural heritage and research. It includes laboratories for traditional arts, a library on cultural studies, and workshops for hands-on learning. The center aims to promote cultural exchange and education among researchers, students, and the community. It combines modern design with traditional aesthetics and improves accessibility. The project uses natural light and features brickwork on the ground floor to connect with its cultural background.



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Ümran Topçu
Yiğit Yılmaz
Meltem Vatan
Boğaçhan Dündaralp
Seda Civelek
Büşra Atam Yüksel (T.A.)

ARC 3002

Architectural Design Studio IV



Architectural School | Dalial Dzhbeili

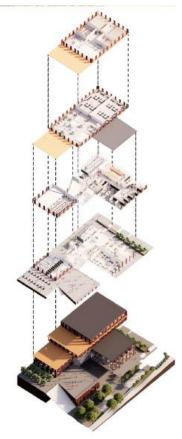
The architectural school in Bomonti, Istanbul, blends contemporary design with the area's industrial heritage, fostering creativity and collaboration. Open studios, flexible classrooms, and sustainable practices promote innovation and environmental awareness. Strategically positioned between contrasting neighborhoods, the school bridges tradition and modernity. A curtain wall facade enhances transparency, linking the interior with the city. This project revitalizes city, transforming it into a hub for architectural discourse and cultural exchange.

School for Architecture in Bomonti |

Tahir Emre Çilesiz

The project merges the altered topography with its program to create seamless transitions between market spaces. Defined as an abstract extension of its surroundings, the design balances social and private areas by moving from the whole to the part. Public engagement is prioritized, with active users—particularly educational groups—integrated into the building.

Key spaces foster interaction among students, locals, and market visitors, enhancing social connectivity. To maximize visibility and daylight utilization, the market facade remains open, while the school features a transparent design, reinforcing its connection with the surrounding environment.







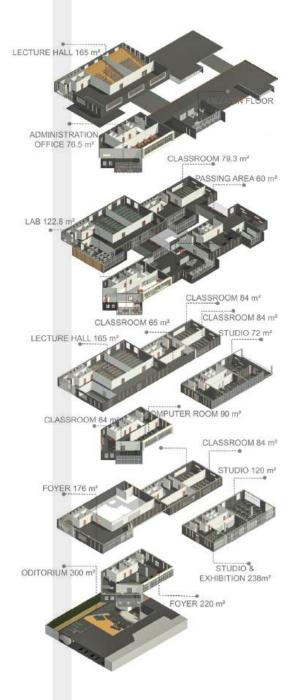




Architectural School in Bomonti |

Mehmet Emre Toyci

This project establishes a strong connection with Bomonti Island by integrating the existing art workshops into the design of an architecture school. The selected site, facing the city center, was strategically chosen due to the impact of a 10-story parking structure that casts a shadow over Bomonti Island. The existing street axis, which crosses the site, was utilized to enhance spatial flow, seamlessly linking the school's entrance with the narrow access street of Bomonti Island. This approach not only strengthens the relationship with the urban fabric but also preserves and highlights the historical and cultural significance of the area.



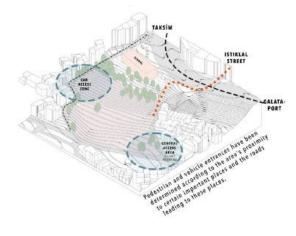
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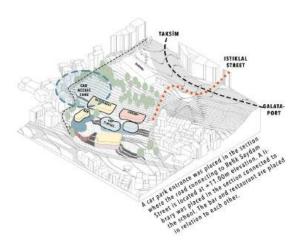
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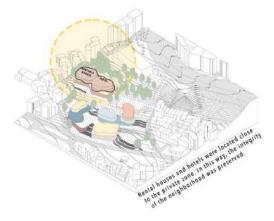
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ARC 4001

Architectural Design Studio V



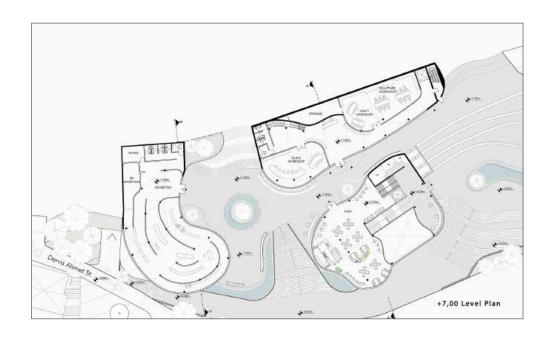


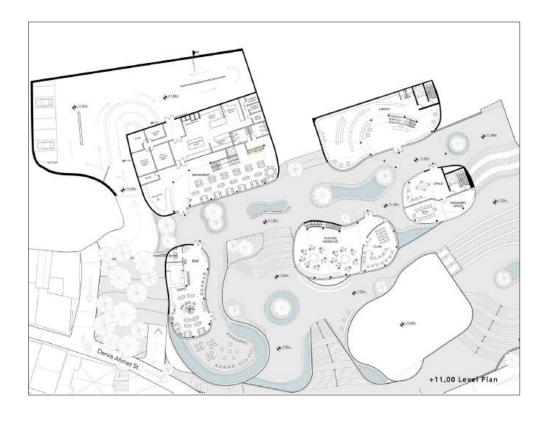


Architectural School in |

Ceren Gökçe Özdemir

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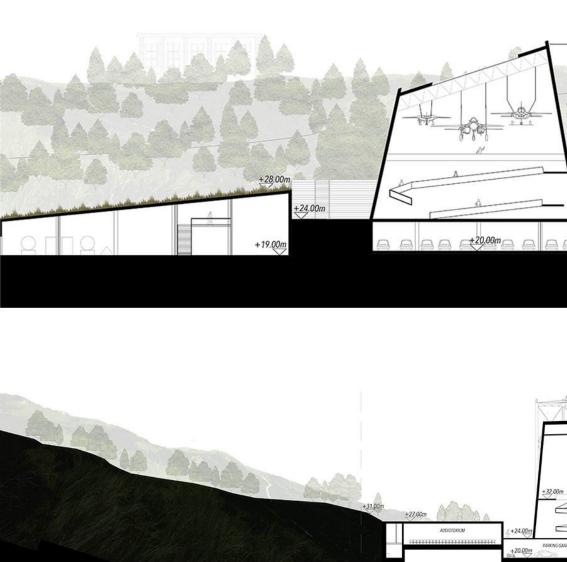
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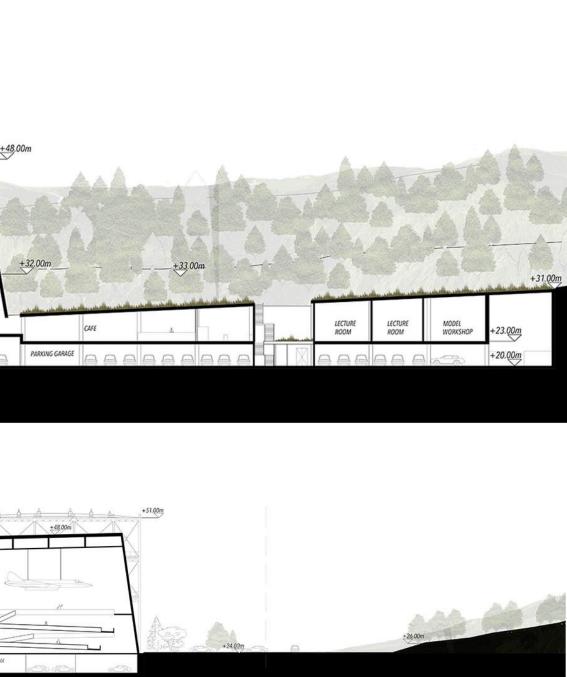
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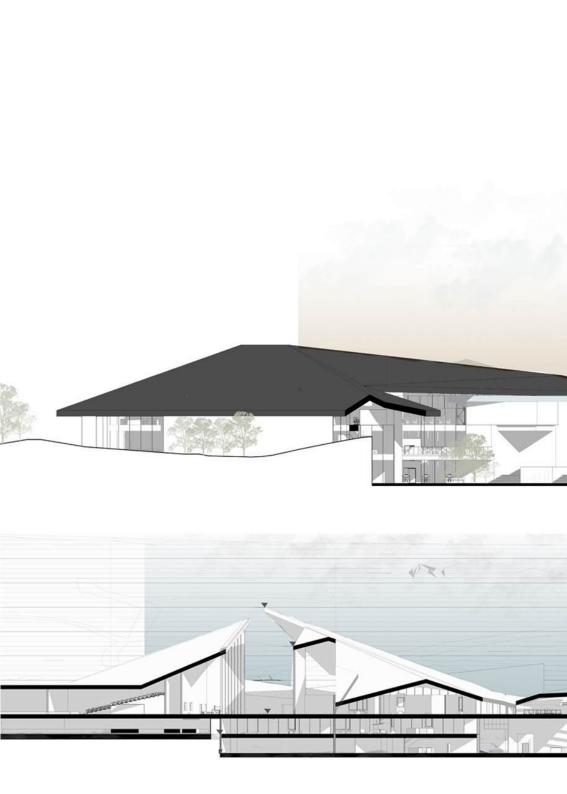
ARC 4002 Graduation Project

Aviation and Space Museum | Serra Odabas

An aviation and space museum is designed beneath Maçka Park, ensuring the preservation of its natural continuity and integration with the topography. While maintaining public accessibility, it also serves as a cultural hub, addressing pedestrian flow disruptions caused by past constructions. Inspired by Maçka's history and its connection to Atatürk, the museum highlights aviation and space exploration, complementing nearby Military Museum exhibits. Adopting an anti-object approach, the structure is fully buried and covered with a walkable green roof, seamlessly blending into the park's landscape.

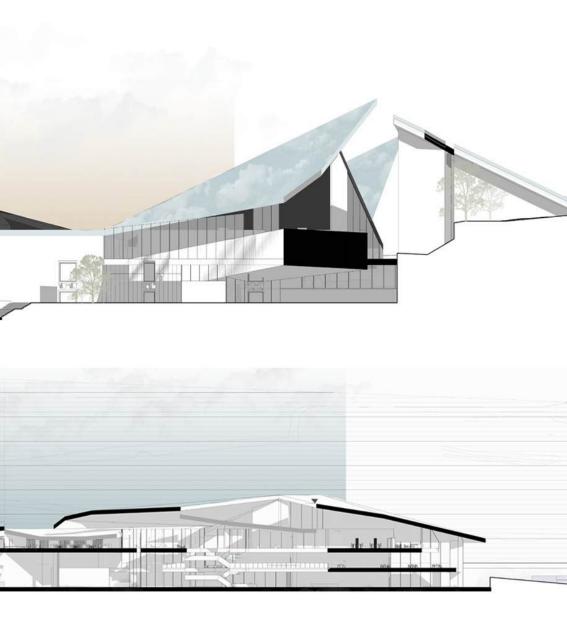






Maçka Future Museum | Tala Mohammed

This center in Yenibosna is built to support cultural heritage and research. It includes laboratories for traditional arts, a library on cultural studies, and workshops for hands-on learning. The center aims to promote cultural exchange and education among researchers, students, and the community. It combines modern design with traditional aesthetics and improves accessibility. The project uses natural light and features brickwork on the ground floor to connect with its cultural background.



Fragmenta | Kawther Al-Jumaili

As the deconstruction progresses towards the seaside, the design integrates with the natural landscape, blurring the boundaries between the built environment and the natural surroundings. The exterior of FRAGMENTA is characterized by a Voronoi pattern that gradually deconstructs as it approaches the seaside. This deconstruction mimics natural erosion and fragmentation processes, creating a visually dynamic and organic transition from the more structured landward side to the more open and fragmented seaward side.





