Portfolio

Urban Planning
& Architecture
Zohreh Mehrabi
Zohreh Mehrabi

-aboutme

Education

Master of Community and Regional Planning

Master of Historic Preservation

Bachelor of Architecture

Skills
ARCGIS, AutoCAD, Sketch Up, Revit, Lumion, SPSS, In design, Illustrator, Adobe Photoshop, and Microsoft Office
ACADEMIC PROJECTS
01-Planning for Reconciliation
02-Urban Development
03-Architectural Design
04-Architectural Design
05-Drafting

PROFESSIONAL WORKS
01-herampay company
02-herampay company
03-herampay company

RESEARCH PROJECTS
01-ART EVALUATION
02-STUDIES & ANALYSIS
ACADEMIC PROJECTS

01 Neighbourhood analysis

02 Urban Development

03 Architectural Design

04 Architectural Design

05 Drafting
In this research after analysing the neighbourhood and reviewing their needs, recommendation has been suggested.

Media: Photoshop Sketch up, ARC GIS, Illustrator
The Positive Effects of Transit-Oriented Development in Albuquerque

One of the main issues Albuquerque faces around its planning and transportation efforts is the split between the east side of the river and the west side of the river. While housing booms on the Westside, the majority of the jobs are on the east side of the river. With the need for large amounts of people needing to cross the river going east in the morning and again at night going west and a limited number of river crossings even possible. It is important that we work to figure something out that provides a manageable situation as residents. BRT systems are a way we can increase the capacity and efficacy of our current public transportation system, but alone it will not solve our transportation issues here in Albuquerque. In addition to BRT, there is a need to incorporate the principles of Transit Oriented Development (TOD), Complete Streets principles, and Main Streets development incentives. Below are how our recommendations might look if adopted by the city of Albuquerque.

ABQ proposed BRT System
Media: ARC GIS

[Diagram of proposed BRT system]
02-URBAN DEVELOPMENT

Recommendation
Media: Photoshop
### Architectural Concepts

- **Public Square**
- **Entrance**
- **Public Square**
- **Galleries**
- **Lobby**
- **Auditorium**
- **Library**
- **ICT**
- **Administration**
- **Store**
- **Café**
- **Classes**
- **Service Sector**

---

### Design Process

**Architectural Concepts**

- For creating a public space in front of the cultural center, the edge of the parking site, a bit lack from the center, a pool and a terrace express the design characteristics. The interior architecture spaces mentioned above.

**Hierarchy**

- **Integration**
- **Accessibility**
- **Key Spaces**
- **Secondary Spaces**
- **Support Spaces**

**Orientation**

- **North**
- **South**
- **West**
- **East**

**Flexibility**

- **Open Space**
- **Closed Space**

**Priority**

- **Main Space**
- **Secondary Space**
- **Support Space**

**Mixed Flow**

- **Direct Flow**
- **Indirect Flow**

**Assembly**

- **Main Assembly**
- **Secondary Assembly**

---

### SITE ANALYSIS

- **Geography**
- **Topography**
- **Climate**
- **Sustainability**

---

### LEGEND

- **Public Space**
- **Classroom**
- **Café**
- **Library**
- **Auditorium**
- **Workshop**
- **Parking**
- **Canteen**
- **Administration**
- **Service Sector**

---

### Basement Plan

**Legend**

- **Main Space**
- **Secondary Space**
- **Support Space**
- **Accessibility**
- **Integration**
- **Key Spaces**
- **Secondary Spaces**
- **Support Spaces**
- **North**
- **South**
- **West**
- **East**

---

### Ground Floor Plan

**Legend**

- **Main Space**
- **Secondary Space**
- **Support Space**
- **Accessibility**
- **Integration**
- **Key Spaces**
- **Secondary Spaces**
- **Support Spaces**
- **North**
- **South**
- **West**
- **East**
Environmental Lighting Concepts

A point at the second entrance (park entrance) was considered as the source of lighting. From this point circles and lines have been diffused. Their intersections are the lamp locations. A row of lamp separates the building's public space from sidewalk. Also, by this way, space boundaries have been determined.

Media: Photoshop, Sketch up, ARC GIS, Illustrator, Auto CAD, Revit
This alternative is based on a solid cube in a transparent one. The former is divided into four parts and a cross which expresses some mythical notions. This too cube are both located in water. Entering to the museum entails passing a way in water which leads to the space under mentioned cubes. This method is exploited to imply the mythical concept of passing through water:

Two cubes in companion with two circular tanks on their opposite sides define the axis on which the entrance is erected. This set of buildings, in companion with another axe, perpendicular to the main one, re-emphasize the mentioned cross.

A complex of perpendicular illuminated elements which are repeated around a center following an spiral-based order encounter this composition and forms an intersection between mentioned units and a sacred garden of trees made from light. In this design, key notions grounded in myths include: a powerful representation of cross in the form of two crossing axes and an illuminated gap in the solid masses, the emphasis on mythical notions: water and light and the dialectic contrasts expressed in composition of solid and transparent cubes.
According to the curriculum, the subject of this project is related to landscape design. In this project, it is wanted to design a recreation park next to Lation dam which included different spaces for recreational activities such as camp spaces, water sport space, and so on. Considering the close distance of this site to Tehran and the large number of users, it has been attempted to take the maximum advantage of its potentials to provide suitable spaces for users. Regarding the topography of the site with different geographical features, I have tried to take advantage of this variety as much as possible, and I have decided to design in harmony with current features.
05-DRAFTING
PROFESSIONAL WORKS

01
Herampay Company samples

02
Herampay Company samples

03
Herampay Company samples
01-Herampay Company

Edit Reports, Design Façade, Interior Renders, 3Ds modeling of Renovation of Tejarat Bank Branches and Supervision of their reconstruction

Media: AutoCAD 2d, sketch up, Adobe Photoshop

What we did:
It was a renovation project that 22 bank branches in Tehran was visited to document the existing phase. In addition, a study was done to set some principles to renovate. The process included the exterior facades, interior design. The exterior walls were kept fixed, but the architects were free to make any changes inside the buildings. The color code was based on the history of the bank and its logo and the modern materials were suggested to use inside of buildings.

Model different alternative, take renders for preliminary design and study of region to choose better option, design cover of report and prepare it, prepare technical drawings of cultural center of holy defense in Mashhad

Media: AutoCAD 2d, sketch up, Adobe Photoshop, Adobe InDesign, Microsoft office

What we did:
Based on contract, it was supposed the studies were done to identify the project, site plan and gather needed information to design. At the next step, basic schemes and concepts for this design were represented. The final step was about construction documents. The site plan is about 7000 square meters and the project includes administrative spaces, amphitheater, library, gallery and landscape design.
Revise and draw of technical drawing, check them based on municipality criteria of studies and designing of Alborz insurance educational of entertainment complex, Ramsar Media: AutoCAD 2d, sketch up, Adobe Photoshop, Adobe InDesign, Microsoft office
What we did:
The location of project is in the north of Iran, adjacent to the beach. The location has the potential to attract tourists by providing them some facilities such as educational and entertainment buildings such as pool or game lots.
There were some old and unresponsive buildings in site plan of project which did not use the all potential of site plan. Hence, the company represented a part that is the best answer from different aspects. The project was done in different stages, from feasibility study to prepare construction documents.

Visit and Design of Molavi street in group, checking checklists and taking photos of Preparation and codification of criteria and instruction for renewal and Rehabilitation of sidewalks in Molavi Street-Tehran
Media: AutoCAD 2d, Microsoft office, Adobe Photoshop
What we did:
A checklist was prepared including different items to check the street. After that the company represented a design that is the best answer from different aspects for the rehabilitate of street.
03-Herampay Company

- Conference executive
  Staff of Light, Color & Sound, Sep 2014
- Conference executive
  Staff of Light and its book publishing, May 2015
  Media: In design, photo-shop

- Comprehensive plan of Baharestan city
  Media: ARCGIS
RESEARCH PROJECTS

01
ART
Evaluation

02
Studies &
Analysis
The Transit Planning Evaluation Team has been tasked with evaluating the efficacy, equity, and impact of Albuquerque Rapid Transit (ART), the new Bus Rapid Transit (BRT) system that recently began service along Central Avenue. Our evaluation methods are grounded in participatory approaches. Participatory methods of evaluation, driven by the community, help us ask the right questions.

First though, we must gain access to the communities impacted by ART. These include, but are not limited to, users of public transportation, low-to-no income communities, multimodal transit users, businesses and households along the route, and drivers potentially displaced by the reserved lanes. We will utilize two approaches to access these groups: first, we will engage the city’s already cultivated community connections developed during the construction of ART; second, we will use a critical ethnography engagement process to access deeper, underserved, or previously not accessed communities.

Measuring Impacts on Multimodal Transit
MASTER Thesis:
Reviewing Revitalization of Historic houses as an Approach to Preserve Cultural values (Case study: Basiri house of Shiraz)

This research was done for the purpose of answering questions such as” how effective the building revitalization procedure has been in Shiraz city.” The method used in this research is analytical description with an instance sample approach. The aim of the research is to conserve and sustain historic monuments by providing a proper renewal plan and utilizing the results of this research for the renewal of the remaining historic houses of the city of Shiraz. The result of this research has been published in Quarterly Journal of Habitat.
Media:
Photoshop
Sketch up,
ARC GIS,
Illustrator,
Auto CAD,
Spss.