

## PERSONAL INFORMATION



## Aya Chehab

📍 Rabaa Street, Beirut, Lebanon

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Female | 20/01/1996 | Lebanese

## POSITION

**Full-time Lecturer-** BAU, Faculty of Architecture- Design and Built Environment

## WORK EXPERIENCE

September 2023 – present

**Full-time Lecturer**

Beirut Arab University, Faculty of Architecture- Design and Built Environment

- Coordinating and participating in several teaching courses, and engaging in advanced research in Urban design and planning.
- Courses involved in:
  - Architectural Design VII (5<sup>th</sup> Level)
  - Graduation Project (5<sup>th</sup> Level)
  - Execution Design III (4<sup>th</sup> Level)
  - Specifications and Quantities (4<sup>th</sup> level)
  - City and Town Planning (3<sup>rd</sup> Level)
  - History of Architecture II (2<sup>nd</sup> Level)
  - Introduction to Painting (2<sup>nd</sup> Level)
  - Computer-Aided Design (1<sup>st</sup> level)
  - Computer Graphics (1<sup>st</sup> level)

September 2021 – June 2023

**Teaching Assistant**

Beirut Arab University, Faculty of Architecture- Design and Built Environment

- Research/ Assisting and participating in several teaching courses.
- Courses involved in:
  - Architectural Design VII (5<sup>th</sup> Level)
  - Graduation Project (5<sup>th</sup> Level)
  - Execution Design III (4<sup>th</sup> Level)
  - Urban Design (4<sup>th</sup> Level)

July 2020 – February 2022

**Site Work Supervision and Office Work**

Zreik for General Trading and Contracting

- Working on supervising the site, shop drawings, permits, and generating 3D renders for the given projects.
- Projects: Apartment residential complex- HADA 1, HADA 2, HADA 3

## EDUCATION

2023 - present

**Ph.D. in Urban Design and Planning**

Beirut Arab University, Faculty of Architecture- Design and Built Environment, Debbieh, Lebanon

- PhD title: **Developing Digital Twin Technology to Apply the Sponge City Concept in Urban Spaces**

- 2020 - 2023 **Master of Science in Urban Design and Planning**  
Beirut Arab University, Faculty of Architecture- Design and Built Environment, Debbieh, Lebanon
- Cumulative GPA: 3.9
  - Thesis title: **Urban Resilience as an Approach to Improve the Open Public Space in the Post-Disaster Cities**
  - Urban Design Case Study: Horsh Al Sanawbar, Beirut, Lebanon
- 2014 - 2020 **Bachelor of Architecture**  
Beirut Arab University, Faculty of Architecture- Design and Built Environment, Debbieh, Lebanon
- Accredited by the Royal Institute of British Architects (RIBA)- Part I.
  - Ranking: second of class
  - Graduation Project: Performing Music Center, in Beirut Central District
- 2013 - 2014 **Freshman Year**  
Arts, Sciences and Technology University in Lebanon, Beirut, Lebanon
- Cumulative GPA: 3.83
  - International Certification to be equalized with the Lebanese Bachelor Certificate
- 2010 – 2013 **Secondary Level**  
Global International School, Jeddah, Saudi Arabia
- Cumulative grade: 96.17%
  - SAT I score: 1240/1600
  - SAT II: 630/800 Math II, 720/800 Chemistry, 800/800 Physics

#### TRAINING

- 2020 **IELTS- International English Language Testing System**  
  - IDP Center, Beirut, Lebanon
  - Overall score: 7.5
- 2019 **IC3 Certification- Internet Core Competency Certification**  
Beirut Arab University, Faculty of Architecture- Design and Built Environment, Debbieh, Lebanon
- A global benchmark for basic computer literacy, including operating systems, hardware, software, networks, and more.
- 2017 **Office Work**  
MASS Consulting Engineers, Jeddah, Saudi Arabia
- Drafting detailed drawings for structural systems, specifying dimensions and materials needed.
  - Bill of Quantities (BOQ)
- 2016 **Office Work**  
MASS Consulting Engineers, Jeddah, Saudi Arabia
- Concept Development
  - Execution Drawings
  - 3D renders by using software as: Revit and Lumion
  - Project: Al- Tayyar Quality Hotel in K.S.A.

#### PERSONAL SKILLS

Mother tongue(s) Arabic

| Other language(s)      | UNDERSTANDING       |                     | SPEAKING            |                     | WRITING             |
|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                        | Listening           | Reading             | Spoken interaction  | Spoken production   |                     |
| English                | C1: Proficient User | C2: Proficient User | C1: Proficient User | C1: Proficient User | C1: Proficient User |
| IELTS overall score: 8 |                     |                     |                     |                     |                     |

- Job-related skills**
- Communication Skills
  - Problem-solving Skills
  - Creativity
  - Leadership skills

- Computer skills**
- Proficiency in:
- AutoCAD
  - Adobe Photoshop
  - Sketch Up
  - Revit
  - Lumion
  - Unity
  - Tygron LTS
  - MS Office applications

**Driving licence** Valid Lebanese Driving License till 26/02/2025. Vehicle type: B

## PUBLICATIONS

- Chehab, Aya and Farhat, Baher (2024), **Sponge Parks in the Era of Urban Digital Twin Models-** 12th ASCAAD International Conference 'Computational Design and Territorial Resilience', Universitat Internacional de Catalunya, Barcelona, Spain.
- Chehab, Aya and Farhat, Baher (2024), **The City and its Stream: Blue Urban Acupuncture as a Method for Neglected Spaces Regeneration in Lebanese Riversides- The Case of Beirut River-** Journal of Ecology and Environmental Sciences (JEAES), Volume 12, Issue 2.
- Chehab, Aya and Nakhal, Bilal (2022), **Exploring Virtual Reality as an Approach to Resurrect Destroyed Historical Buildings: An Approach to Revive the Destroyed "Egg Building" through VR-** 10th ASCAAD International Conference 'Hybrid Spaces of the Metaverse', Beirut Arab University, Lebanon.
- Chehab, Aya (2022), **Exploring the Attributes of Open Public Spaces in the Developing Cities,** BAU Journal - Architecture and Planning Journal (APJ), Volume 28, Issue 2, Beirut Arab University, Lebanon.
- Chehab, Aya and Mohsen, Hiba (2021), **Exploring Utopian Concepts in the Contemporary Water Architecture,** BAU Journal, Architecture and Planning Journal (APJ), Volume 27, Issue 1, Beirut Arab University, Lebanon.

## WORKSHOPS AND ADDITIONAL INFORMATION

- Member in the Order of Engineers and Architects, Beirut, Lebanon, since 2021.
- Contributed to the development and completion of physical architectural models for Beirut Arab University campuses (Beirut, Debbieh, Tripoli, and Bekaa).

- Participated in the Summer School, "Kassel Reloaded: Design-Build Workshop", Kassel, Germany, 2024.
- Participated in the "Urban Insights: A Space Syntax Exploration Workshop" remotely, 2024.
- Participated in the "Resilient Urban Transformation - Adaptive Reuse of historic quarters as a tool for enabling resilient urban transformation and implementing sustainable mobilities" workshop, held in Cairo, Egypt and Hamburg, Germany, 2023.
- Attended the lecture tackling Smart Urban Planning- Vienna City, remotely, 2023.
- Participated in GIS Basics workshop- Esri Training, remotely, 2023.
- Participated in the 10<sup>th</sup> and 12<sup>th</sup> ASCAAD International Conference (Arab Society for Computer Aided Architectural Design), remotely, 2022, 2024.
- Participated in the Beirut Urban Declaration: Beirut Arab University Day in Beit Beirut. Presented: "Investigating the Spatial Experiences in the Open Public Spaces in the Post-Disaster Cities", held in, Beirut, Lebanon, 2021.