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# DOAA ESSAM HUSSEIN

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01016245249 | [doaae997@cu.edu.eg](mailto:doaae997@cu.edu.eg) | Giza, Egypt | 4/3/1996 | Single

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## Teaching Assistant

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As an Teaching Assistant in Structural Analysis and Architectural Restoration, I strive to leverage my academic and research expertise in studying and assessing historical materials, developing sustainable restoration techniques, and enhancing methodologies for heritage site conservation

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## EDUCATION

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### Master's Degree in Structural Analysis and Restoration

Faculty of Archaeology, Cairo University

- **Thesis:** Structural Analysis of Stone Vaults in Archaeological Islamic Mamluk Buildings and Their Restoration and Retrofitting Techniques, applied to a selected archaeological vault in Egypt.
- **Grade:** Excellent (GPA: 4) – Graduated in 2025
- Focus on **heritage conservation, structural assessment, retrofitting techniques, and restoration of historical buildings.**

### Bachelor's Degree in Architectural Conservation

Faculty of Archaeology, Cairo University – Graduated in 2018

- **Grade:** Excellent (GPA: 3.9) – **Ranked 1st in Class.**
  - Specialized in **architectural conservation, historic building preservation, and restoration methodologies.**
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## EXPERIENCE

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### ➤ Professional Experience in Architectural Conservation & Restoration

- **Led the restoration of wooden ceilings** at Mohammed Ali Palace, Shubra, Cairo, ensuring precision and quality in conservation efforts.
- **Managed architectural and photographic documentation** for Mena House Hotel, Giza, in collaboration with LMS Company (main contractor), overseeing the **handover to antiquities authorities.**
- **Contributed to architectural design** and prepared **shop drawings** for various projects, including Mivida, Layan, Lake View, and Patio Ora (Fifth Settlement), collaborating closely with project teams.

### ➤ Academic & Teaching Experience

Teaching Assistant – Faculty of Archaeology, Cairo University.

Taught undergraduate courses in Architectural Conservation & Structural Analysis:

- **Structural Analysis of Historical and Archaeological Buildings**
  - **Architectural Design I & II**
  - **Execution Drawings I & II**
  - **Restoration & Conservation of Decorative Units in Historic Buildings**
  - **Restoration & Conservation of Mural Paintings in Archaeological Structures**
  - **Properties & Testing of Materials**
  - **Technical Assemblies in Historic Buildings**
  - **Restoration Techniques of Archaeological Buildings I & II**
  - **Metals & Rocks in Archaeological Conservation I & II**
  - **Structural Strengthening & Securing of Heritage Buildings**
  - **Restoration & Conservation of Wooden Structures in Historic Buildings**
  - **Documentation & Recording of Heritage Buildings**
  - **Restoration & Conservation of Architectural Units in Historic Buildings**
  - **Organize and participate in site visits, studio critiques, and design reviews. - Contributing to other tasks relevant to the mission and objectives of**
  - **the Sustainable Architecture Program.**
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## LIST OF PUBLICATIONS

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- Hussein, D. E., & Abdel-Aty, Y. Y. (2025). Structural evaluation of ribbed barrel vaults in Bahri Mamluk religious buildings: A case study on the main Iwan of Sultan Hassan Madrasa, Cairo, Egypt. SHEDET, 14(14), 246–282. <https://doi.org/10.21608/shedet.2024.296195.1257>

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## PERSONAL SKILLS

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- Problem-Solving
- Cultural Awareness
- Time Management
- Organizational Skills
- Team Collaboration
- Negotiation Skills



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## TECHNICAL SKILLS

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- **Microsoft Office Suite:** Word, Excel, PowerPoint.
- **Design & Analysis Software:** AutoCAD, SAP 2000, Adobe Photoshop, SketchUp, Revit.

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## TRAINING & CERTIFICATIONS

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- **Archaeology Membership Course** – *Egyptian Museum, 2017*
- **Architectural Restoration Training** – *Granada Site, Arab Contractors, 2017*
- **Architectural Restoration Training** – *Al Fath Mosque, Abdin, Arab Contractors, 2018*
- **Technical Office Experience** – *Cleopatra, Sheikh Zayed*

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## LANGUAGES

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- Arabic : Native language
- English : Very Good