

# Rania Ramadan Abd El Fatah Morsy

## Contact

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## Programs (self-learning)

- AutoCAD
- ASD
- Revit
- Sap2000
- ETABS
- SAFE
- CSI COL
- Cutting optimization
- Microsoft Office

## Languages

- **Arabic**  
Mother tongue
- **English**  
Very good

## Personal skills

- Hard worker.
- Creative.
- Leader.
- Can handle pressure.
- Able to learn new tasks quickly.

## **Structural Engineer**

Seeking a challenging career that provides an opportunity to work as a technical office engineer and improve my abilities in design and planning.

## Education

### **B.Sc. in Civil Engineering (2015 – 2020)**

Faculty of engineering, Alexandria University, Alexandria, Egypt

## Graduation project

### **Soil mechanics and foundation design project.**

#### **Included In 3 parts:**

- 1) Doing laboratory tests and preparing a report about it.**
  - (Water content, unit weight, grain size analysis...)
- 2) Preparing a research report about retaining structures.**
- 3) Multi-Story building, 13 story.**
  - Designed as a Flat slab.
  - Used raft on piles as a foundation considering bearing capacity and settlement.
  - Used anchored retaining piles as a retaining structure.
  - Designed a dewatering system using deep wells.

## Skills (self-learning)

- Able to do shop drawing for structure elements using (AutoCAD-ASD-Revit).
- Doing quantity surveying for structure elements.
- Having good knowledge about technical specifications and bill of quantities (**BOQ**).
- Having good knowledge about cost estimation.
- Able to use Revit to do
  - Models for structure buildings.
  - Quantity surveying
  - Shop drawing for structure elements using (Naviate REX and Sofistick reinforcement).
- Having knowledge about quality control techniques (Flow Charts-Check Sheets-Pareto Diagram-Histogram- Cause and Effect Diagram-Scatter Diagram-Control Charts).

## Hobbies

- Reading
- Drawing

## Training Experience

- **ENG. Ahmed Ragheb Office (Bourg El Arab, Alexandria)**
- **From (1/10/2020 to 30/11/2020)**
  - Designed a villa with ground, first floor & roof.
  - Doing quantity surveying for concrete elements and steel.
  - Designed a building consisted of 4 floors.
- **Consultant Prof. Dr. Hossam El Moghazy (Alexandria)**
- **From (1/8/2019 to 30/9/2019)**
  - Participated in designing a building consisted of 7 floors.
  - Participated in designing a villa consisted of ground, two floors& roof.

## Courses (self-learning)

- **Shop drawing and bill quantities diploma**
  - Used (AutoCAD-ASD-Revit-Excel) to do SD for structure elements like (Columns-Beams-Slabs-foundations.....).
- **Concrete design diploma**
  - Designed (villa and high-rise building) using (AutoCAD, Sap2000, SAFE, ETABS and CSI COL).