

# Aser Eissa, M.E.Sc.

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## EDUCATION

- 2019 - 2022**      **Master of Engineering Science, Ain Shams University, Cairo, Egypt**  
Public works Department  
*Thesis Project: Integrating laser scanner data with terrestrial photogrammetry in completing model space*  
*Cumulative GPA 3.96*
- 2014 - 2019**      **Bachelor of Engineering Science, Ain Shams University, Cairo, Egypt**  
Civil Engineering – Public works Section  
*Cumulative Grade: Distinction with Degree of Honour (Ranked 1st among 320 students)*

## WORK EXPERIENCE

- 2019-07 - present**      **Surveying Engineer, Surveying Unit - AinShams University.**  
*positioning, setting out and mapping using several surveying instruments.*  
*3D modeling especially facades using laser scanner.*  
*Positioning, setting out and mapping using total station and GPS.*

## TECHNICAL SKILLS

- *Proficient in Autocad, Autocad Civil3D and Autodesk Recap.*
- *Proficient in Microsoft (Word, Excel, Outlook), Google.*
- *Experience with programming using MATLAB and Python.*

## TEACHING EXPERIENCE

- 2020-10 - present**      **Demonstrator, Ain Shams University**  
Public works Engineering Department  
Surveying
- *Facilitated and supervised fourth-year lectures and tutorials*
  - *Guided fourth-year students enrolled in the Reinforced Concrete Structures Graduation Project.*
- Fundamentals of engineering*
- *Facilitated and supervised freshmen lectures and tutorials*
- 2019-09 - 2020-10**      **Graduate Teaching Assistant, Ain Shams University**  
Public works Engineering Department  
Surveying
- *Facilitated and supervised first-year and second-year tutorials*
  - *Provided instruction on sample problems*
  - *Guided fourth-year students enrolled in the surveying Graduation Project.*

## **EXTRA-CURRICULAR ACTIVITIES**

- 2016-01 - 2018-10**      **Volunteer, Connected student activity, AinShams University**  
*Organized scientific events.*
- 2018-10 - 2019-05**      **Volunteer, Civil S student activity, AinShams University**  
*Organized some competitions in civil department.*

## **PUBLICATIONS**

Eissa, Aser M., Ibrahim F. Shaker, A. M. Abdel-Wahab, and Alaa AL Din I. Awad. "Integration of multi-photos and laser scanner data to form a complete 3d model." *Ain Shams Engineering Journal* (2022) (Q1 journal): 101952.