



# HAZEM USAMA ABDELHAYD

Teaching Assistant

## CAREER OBJECTIVE

I'm looking forward for joining a big scale consulting office, multinational company, a progressive organization that offers opportunities for advancement, where I can develop and utilize my educational background and skills.

Seeking for new challenges in a position in one of the following fields

- 1- Water resources planning and analysis
- 2- Constructions of wet utilities and infrastructure projects,
- 3- Design and selection of small hydropower projects.

## CONTACT

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## HOBBIES

- Rowing: Professional rower for more than 10 years. Got the first place at the national championship in 3 consecutive years and first place at universities championship for 3 years.
- Kung FU
- Self-learning

## EDUCATION

### **Civil Engineering Department - Cairo University (Bachelor)**

2013 - 2018

Distinction degree in all the years. The overall rank is the sixth  
Wet Utilities and Infrastructure Graduation project (Distinction)  
My group got the best project of the year

### **Irrigation and Hydraulics department - Cairo University (Masters)**

2018 - 2020

Developed a model to identify optimal Small hydropower projects along a given river reach based on maximizing the net annual benefit. Model performance was assessed through application to the Mamquam River in Canada and the Guder River in Ethiopia.

Overall GPA 3.9

## WORK EXPERIENCE

### **Faculty of engineering of Cairo University (Teaching Assistant)**

2019-Now

Teaching Fluid mechanics, River engineering, Integrated water resources management, and Engineering Drawing courses

### **Center of water projects (CWP) (Environmental Engineer) (Part time)**

2018-Now

Design of massive irrigation projects in Toshka (South east Egypt) which include designing the transmission pipelines, the pumping station, irrigation networks and preparing the project BOQs

### **ECO-Emam consulting office (Hydrology Engineer) (Part Time)**

2019-Now

Rainfall analysis and designing of flood protection and storm drainage works in TAIF (Saudi Arabia).

### **Zewail City of Science and Technology (Teaching Assistant)**

2019

Teaching Fluid mechanics course

## COMPUTER SKILLS

- Bentley Water-Gems, Bentley Sewer-Gems, Bentley Hammer
- Hydrology package (WMS, HEC HMS, HEC RAS, ARC-GIS, Culvert Studio, Bentley Flow master, Bentley Culvert Master)
- AutoCAD -2D, AutoCAD - Civil 3D, MS-Office, Global mapper
- MATLAB and Fortran