

Hebatallah Mohamed Shawky Elsayed Abdelmoaty

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Objective:

Seeking challengeable experiences in which I can develop my research, work career and lifelong skills.

Education:

- Master's Degree in Water and Environmental Engineering in Cairo University, **GPA:4/4** (2020)
 - Thesis: "Experimental Analysis of Indirect Freeze Desalination: with and without Magnetic Field Exposure"
- Bachelor of Science in Water and Environmental Engineering in Cairo University, **GPA: 3.99/4.00** (2017)
 - Graduation Project was Research Project:
"Experimental Indirect Freeze Desalination by Refrigerant Needles"
- Cairo University, Faculty of Engineering, Credit Hour System, Giza, Egypt. (2014)

Qualifications:

- Computer skills:
 - ✓ Microsoft Office
 - ✓ ArcGIS
 - ✓ Bentley Softwares:
Culvert Master, Flow Master, SewerCad
WaterCad
 - ✓ AutoCad Civil 3D
 - ✓ WMS, Global Mapper
 - ✓ HECHMS, HyFran, HECRAS
 - ✓ Programming: Matlab, R
 - ✓ COMSOL Multi Physics Simulations
- English language (Fluent)
- French language (Fair)
- Technical writing
- Presentation skills
- Leadership and management skills

Work Experience:

(21st Jan 2018 – Present)

Teaching Assistant, Cairo University- Faculty of Engineering, Cairo University Street, Giza

- ✓ Teaching: Introduction to Water Resources Engineering, Coastal and Harbor Engineering, Hydraulics, and Water Chemistry and Microbiology

(1st Feb 2016 – 1st June 2017)

Research and Development Water Engineer," Agrimatic" Farms, North Teseen Str., New Cairo

- ✓ Designed sterilization unit for Aqua-ponic system
- ✓ Designed water network in the farm
- ✓ Designed water treatment unit for the water supply in the farm

Training Experience:

(28th Aug – 5th Sep 2017)

Food, water and Energy Nexus "Summer School" Trainee, Technical University of Munich, Germany

- ✓ Visited major lakes to study the environmental parameters and analyze them
- ✓ Visited the research center and laboratories
- ✓ Attended hydrology, environmental and water engineering lectures
- ✓ Trained on several software like MODFLOW, LEOWorks, SWAT and ArcMap

(24th – 31st Aug 2016)

Field Trainee, "Duravit" Design Center, Werderstraße 36, 78132 Hornberg, Germany

- ✓ Attended lectures and field visits in the industrial sector and R&D departments for the industry of sanitary products and furniture

(1st – 8th Sep 2016)

Field Trainee, “Grundfos” Training Center, Poul Due Jensens Vej 7, DK-8850 Bjerringbro, Denmark

- ✓ Attended lectures in the training center about the technologies they use, and visited Grundfos factories for knowing the industry lines

(23th June – 23th July 2016)

Office Trainee, “Senior” Engineering Consulting Office for Water Projects, 35 El Shiekh Abdel Hamid Awad Street, Zone 6, Nasr City, Cairo

- ✓ Practiced various software like: SewerCad, WaterCad, Autocad and Civil 3D Max in order to design water and sewage network, road designs and shop drawings

(1st – 15th Aug 2016)

Office Trainee, “CEEG” Engineering Consulting Office for Water Projects, 4A/2 Sayed Nada Street, Taqseem El Laslky, New Maadi, Cairo

- ✓ Practiced various software like: WMS, Civil 3D, Autocad, GIS and Google Earth to design hydraulic structures for roads’ flood protection

(16th – 30th June 2015)

Field Trainee, “Segma Tech” for pharmaceutical industry, The 11th District, 6 of October, Cairo

- ✓ Acquired the practical knowledge for distilled and sterilization of water for injection in SegmaTech Factory for pharmaceutical industry

(1st – 15th June 2015)

Field Trainee, “Gezeiret El Dahab” water Treatment Plant, Bahr El Aazam Str, Giza

- ✓ Acquired the practical knowledge for operation and maintenance of Water Treatment process

(4th -18th September 2015)

Team member in GUC workshop, German University in Cairo, New Cairo City, Cairo, Egypt

- ✓ Designed a composite toilet unit which converts human wastes into Biogas, preparing list of procurement and presenting the idea to the public

Volunteering Experience:

(26th June -1st July 2019)

Cairo University Delegate, “Michelangelo” Workshop, “Sapienza” University of Rome, Italy

- ✓ Elected as Egyptian Ambassador in GAME (Giovani Ambasciatori Mediterranei) board, RMEI
- ✓ Gave a presentation discussing the concept of Resilience with religious and cultural perspective

(5th -12th May 2017)

Cairo University Delegate, “Michelangelo Workshop”, ECG business School, Marrakech, Morocco

- ✓ Gave a presentation about the relationship between Engineering and Arts

(12th -16th October 2016)

Cairo University Delegate, “Michelangelo” Workshop, Sapienza University of Rome, Italy

- ✓ Gave a presentation about how Mediterranean countries are connected in engineering fields historically

(June 2015- June 2016)

Project Manager, Credit Club Student Activity, Faculty of Engineering, Cairo University

- ✓ Managed a team for implementation of developed projects for our society in different engineering fields (Hydroponics & Biogas Digester) and organized Solar Pumping field trip

(June 2014- March 2015)

Committee member, Credit Club student activity, Faculty of Engineering, Cairo University

- ✓ Implemented competitions in college that help in acquiring knowledge about Famous Scientists
- ✓ Gave a session about Time management for the first-year-college students

(June 2014-March 2015)

- ✓ Organized intellectual field trips

Committee member, “Meshwar” student activity, Faculty of Engineering, Cairo University

- ✓ Built public relations for our activities
- ✓ Organized a marathon event between disabled and others to share the day together
- ✓ Give active learning sessions to orphans about certain values they should have for their development
- ✓ Made needs’ assessment in “Sakkara” land for charitable work

Reference: Available Upon Request