

KAREEM FANOUS

18 Morad St., Giza • kareemfanous@gmail.com • 0122-744-4939 • May 12, 1991 • Exempted from Military Service

EDUCATION

Master of Engineering (Environmental Engineering, CGPA 3.78/ 4)

McGill University

2015 –2016

Montreal, Canada

Bachelor of Engineering (Civil Engineering)

McGill University

2009 –2013

Montreal, Canada

TECHNICAL SKILLS

- Excellent understanding of environmental engineering topics: Water and Waste Water Treatment, Computational Hydraulics, Water Resources & Hydraulics Engineering and Water Resources Management.
- Expertise in civil engineering software: HEC-RAS, SWMM, ANSYS, AutoCAD, Civil 3D, SewerCAD, ROSA and SAP 2000.
- Competence in programming languages: Matlab, Visual Basic, C and Fortran.

PROFESSIONAL EXPERIENCE

Proposal Manager

February – December 2014; October 2016 – May 2019

GLOBOIL (www.globoilegypt.com)

Globoil specializes in the design, supply, installation, operation and maintenance of desalination plants for oil and gas companies, such as Shell, Apache and Eni.

- Led a successful proposal for a municipal waste water pumping project owned by the Ministry of Housing.
- Prepared proposals for water treatment plants, wastewater treatment plants and desalination plants.
- Conducted and documented all site and company visits.
- Served as the company's liaison with clients and suppliers.

RESEARCH EXPERIENCE

Research Projects

January 2015 – May 2016

Master of Engineering (Environmental Engineering)

- Analysis of the Bed-friction Effect in a Jet in Cross Flow
- DNAPL Removal from a Heterogeneous Alluvial Aquifer by Surfactant Enhanced Aquifer Remediation
- Surfactant Flushing Remediation in a PCE-contaminated Site in Jacksonville, Florida
- The Use of Silver Nanoparticles in Water Disinfection
- Indoor Air Pollution in Rural China
- Comparison between Deepwater Horizon Oil Spill and Exxon Valdez Oil Spill

Research Assistant

May – September 2015

Professor Susan Gaskin, McGill University, Department of Civil Engineering

- Performed a literature review on copper contamination in municipal drinking water.
- Conducted a field study assessing the copper concentrations in municipal drinking water in a representative neighborhood of Montreal.

TEACHING EXPERIENCE

Teaching Assistant

September – December 2015

Professor Ronald Gehr, McGill University, Department of Civil Engineering

Water Treatment and Pollution Control (<http://www.mcgill.ca/study/2015-2016/courses/cive-430>)

- Instructed undergraduate students weekly, designed lectures, lead discussions, demonstrated lab procedures, and graded assignments.
- Anonymously ranked by students as very good teacher (4/ 5).

-References available upon request-