

Holds B. Sc. and M. Sc. in Civil Engineering and has over 4 years hands-on experience working in design field.

PERSONAL DATA

Nationality : Egyptian/Canadian
Birth Date : 30/04/1992
Gender : Male
Marital Status : Single
Residence : El-Shorouk City, Cairo

EDUCATION

- : B. Sc. in Civil Engineering with concentration in Management, Carleton University, Ottawa, Ontario, Canada, 2013
- : M. Sc. in Civil Engineering, Carleton University Ottawa, Ontario, Canada, 2017
- : Al Dhafra Private High School, Al Ain, United Arab Emirates, British System, IGCSE, 2009

LANGUAGES

Arabic : Native Language
English : Excellent
French : Basics

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Access, Power Point), Internet
- : AutoCAD, SAP2000, ETABS, SAFE, ADA, PCA
- : MS Project, Primavera P6

TRAINING COURSES AND CERTIFICATIONS

- : Diploma in Project Management, Alison Online (May 2017).
- : Foundations of Project Management I & II, Mitacs Workshops, Ottawa, Ontario, Canada (Jan. 2014).
- : Certified as EIT with PEO, Professional Engineering of Ontario (PEO), Toronto, Ontario, Canada (Feb. 2014).
- : Certified as CAPM with PMI, Project Management Institute Certified Associate Project Manager (PMI ID: 4812203E1) (13th Jun. 2017 to 13th Jun. 2022).

- : Trainings at:
- Al Dhafra Engineering & Contracting EST., Al Ain – United Arab Emirates (from Dec. 2011 till Jan. 2012) as Field Engineer:
 - Demonstrated attention to detail and time management skills.
 - Update and maintained Quality Control Databases.
 - Developed communication skills.
 - Provided correspondence between sub-trade contractors and consultants in order to rectify construction issues.
 - Bin Alfi General Contracting Co., Al Ain – United Arab Emirates (from May till Aug. 2011) as Designer & Field Engineer:
 - Assisted the engineering team in writing and reviewing some of the daily, weekly, technical reports and shop drawings to be approved by the consultant.
 - Attained that all assigned work is completed both on time and within agreed specifications and budget to ensure efficiency.
 - Inspected work on site in progress for final compliance and quality assurance grading complied with the consultant acting as a lead Engineer.
 - Attended meetings and performed strong communication links between the Engineers, Consultants and Contractors to rectify construction issues.
 - Demonstrated attention to detail and time management skills.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2013 till Jun. 2017
- Employer** : Stantec Consulting Ltd. - Ottawa, Ontario, Canada
- Job title** : Assistant Project Manager / Junior Structural Engineer
- Job Description** :
- Canadian Nuclear Laboratories (CNL) - Construction of new tritium Laboratory & Office Building (B215) \$25M, Chalk River, ON (Structural Designer):
 - Assisted the Structural Designer to the analysis and design of Loading Dock and Office Building, modelling it on ADA & ETAPS and selecting appropriate structural elements sizes of both buildings.
 - Performed detailed structural hand calculations for Composite Beams/Columns design on MathCAD.
 - Completed a Floor Vibrations analysis of the building by Excel.
 - Conducted coordination meetings between disciplines and presented design concepts and attended multidisciplinary client meetings.
 - PSPC - Concrete Repairs of Des Chaudiere Bridge (OHEPC channel), \$10M, Ottawa, ON (Assistant Project Manager):
 - Assisted the Inspector in site supervision of several phases in concrete repairs such as: repairs on barrier walls and sidewalks, replacement of approaches backfill, installation of control/expansion joints...etc.
 - Reviewed of existing documents and approved shop drawings.
 - PSPC - Supreme Court of Canada – Scaffold System & Chimneys Seismic Rehabilitation, \$2.6M, Ottawa, ON (Assistant Project Manager):
 - Supported the Project Manager in analyzing the Court for the Conception Design of Scaffold System & Chimneys rehabilitation

- design.
- Assisted the PM in site investigations, site visits, minutes meeting and design reports.
- Supported the PM in developing seismic retrofit design of the Supreme Court Chimneys.
- Performed Project Schedules for both Scaffold & Chimneys design to construction.
- PSPC – WarkWorth Jail HVAC Upgrades, WarkWorth, ON (Structural Project Manager):
 - Performed some wall openings design in concrete wall blocks with steel lintels.
 - Designed an exterior structural concrete slab & several interior housekeeping pads for Fuel tanks.
 - Accomplished contract administration, site supervision services and cost estimates.
- PSPC – Parliament Hill Daycare, Ottawa, ON (Structural Designer):
 - Supported the Structural engineer in performing concrete slab designs.
 - Assisted the PM in site investigations, site visits, minutes meeting and design reports.
 - Prepared NMS specifications of the project with all the applicable divisions.
- Colliers – McDonald Cartier Bldg – TBS ITS Upgrade, Kingston, ON, (Structural Project Manager):
 - Provided project management and structural design services.
 - Structural designed several internal and external concrete pads to accommodate new fuel tanks with building openings to install them.
 - Performed site investigations, minutes meeting, design reports and cost estimates.
- Transport Canada - Wabush Airport – Construction of Apron expansion and parallel taxiway, Newfoundland, NF (Assistant Project Manager):
 - Assisted Project Manager in providing project management and engineering design services.
- Ballances Universelles – Replacement of a concrete ramp, Gatineau, QC (Project Manager):
 - Took the Project Lead and demolished existing concrete ramps and designed slab-on-grade concrete.
 - Acted as a Project Manager from project kick off meeting till project close out (including contract admin).
- Insurance Claim Evaluations, Various Locations, ON (Project Manager):
 - Carried out various evaluations and repair designs for insurance claims including vehicle impact assessments, fire damage evaluation and repair and building envelope evaluation.
- Cardel Homes – Condominium Building Design, Ottawa, ON (Structural Designer):
 - Performed structural design of Mid-rise wooden condo building as a structural designer assisting the Lead Project Manager.
 - Provided numerous structural solutions based on the architectural, mechanical and electrical designs.
- Nepean Housing Corporation Residential, Ottawa, ON (Assistant Project Manager):
 - Assisted the Project Manager in site investigations for building envelope condition assessment, fire and life safety reports.

- More small projects with NCC, JLL, BJIS, Mattamy Homes, Eastway Contractor and OCH.

Dates : 2012 (during education)
Employer : Carleton University - Ottawa, Ontario, Canada
Job title : PHD Research Assistant (Structural Engineering)
Job Description :

- Supported PHD research student in setting up the materials required for testing shear in reinforced Masonry Beams.
- Assisted PHD student in adding the steel bars in right positions and twisting it.
- Provide research support by collecting and recording data, keep neat records of all analyzed data, input data and results.

Field of experience :

- Engineering:
 - Knowledge of construction site safety practices.
 - Competent in the use of Design Manuals Codes for Concrete, Steel, Wood, NBCC, AISC and Fire.
 - Experienced in using Canadian and American codes; flexible in applying.
 - Good experience of onshore civil/structural design management and execution effectively.
 - Produced various hand calculations sheets and compare it with automated design software results.
 - Carried out several structural inspections and supervision ending up producing technical reports for the client.
- Project Management:
 - Experience in Project Management (10 processes) from conception to delivery & rigid leadership expertise.
 - Ability to create and implement of construction management methodologies with verifying the work with other/senior colleagues.
 - Ability to think methodically, to design, plan and manage projects effectively.
 - Very powerful in using MS Project, but an intermediate level using Primavera P6.
 - Awareness of contract conditions and importance of contracts in project delivery.
 - Attain a positive attitude by having the 'can do' approach.
 - Attentive to details and superior time management skills.