

Nada Aboelmagd

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EDUCATION

Master of Science in Construction and Facilities Engineering 2023 – 2025

University of North Carolina at Charlotte, Charlotte, NC

GPA: 4.0/4.0

Bachelor of Science in Construction Engineering 2015 – 2020

The American University in Cairo, Cairo, Egypt

Concentration: Structure & Materials and Construction Management

Minor: Architectural Design

GPA: 3.79/4.0

SKILLS

Primavera, MS Project, AutoCAD, BIM, Revit, SAP, Navisworks, MS Office

PROFESSIONAL EXPERIENCE

Graduate Research and Teaching Assistant August 2023 – Present

University of North Carolina at Charlotte, Charlotte, NC

- Conduct comprehensive research and analysis on global facilities management trends and best practices.
- Analyze data to identify opportunities for improvement within facilities operations on a global scale.
- Grade assignments and exams for a class of over 60 students, providing timely feedback to students.
- Hold office hours to address student's questions and concerns related to the course materials.

VDC/BIM Engineer

Orascom Construction Company, Cairo, Egypt

September 2022 – August 2023

- Led the development and submission of BIM tender documents for prominent projects like NEOM, which led to a 20% rise in successful bid rates compared to previous submissions.
- Developed and implemented a comprehensive developmental plan aimed at integrating new tools and software into the system infrastructure.
- Successfully introduced ArcGIS and ACC, leading to a 30% improvement in project efficiency.
- Provided technical expertise to project teams and ensured seamless integration of BIM technologies into project workflows, resulting in a 25% reduction in project timeline from design to construction phase.

Coordination Engineer and Assistant Project Manager

- Facilitated weekly coordination meetings with different department in the New Central Bank of Egypt, resulting in a 20% reduction in communication errors.
- Conducted regular progress reviews with stakeholders, which improved the project's alignment with client expectations by 10%.

Planning Engineer

September 2021 – August 2022

Hassan Allam Construction Company, Cairo, Egypt

- Developed comprehensive project plans that included coordination, outlining tasks, and project tracking for a New Capital Central Park project and a 1000 acres infrastructure project.
- Conducted bi-weekly on-site inspections and implemented improved inspection procedures, resulting in a 10% decrease in rework and associated costs.

Planning Engineer

HSE Contractors-CPM Scheduling Consultants, US-Based in Cairo, Egypt January 2021 - August 2021

- Led planning, CPM scheduling, and project management for multiple construction projects across the United States, ensuring adherence to timelines and budgets, resulting in an average completion rate of 95% within project deadline.
- Performed Delay Analysis for Claims, identifying and mitigating project delays through a variety of techniques, such as Time Impact Analysis.
- Facilitated direct communication with US-based construction project managers and construction managers via WebEx and Zoom meetings for clear and effective collaboration.

Site/Planning Engineer

August 2020 – December 2020

Catalyst Developments, Cairo, Egypt

- Conducted regular site inspections and performance evaluations to assess project progress and identify areas for improvement.
- Conducted regular meetings to provide updates on project status, solicit feedback, and foster collaboration, which led to a 15% increase in stakeholder satisfaction ratings.

ACADEMIC AWARDS

- Al-Alfi Foundation Undergraduate Fellow
- Recipient of the Highest Honor for Bachelors in 2020

ACADEMIC PROJECTS

- Conducted a thesis on Project Management, planned and engineered the whole package for a 296,000,000 EGP worth construction project.
- Completed a thesis focusing on Advanced Construction Materials and authored a conference paper presented at CSCE-2021 on Anti-Washout Concrete.

LEADERSHIP/VOLUNTEER EXPERIENCE

IFMA Charlotte Student Chapter, Charlotte, NC

President

November 2023 – Present

- Provide strategic direction and leadership to the IFMA Student Chapter, overseeing all activities and initiatives.
- Organize and execute various events including seminars, workshops, and networking sessions aimed at fostering professional development and industry connections for members.