

SYED LAHORI, E.I.T.

2A Harriet Dr. Syosset, NY 11791 | (516)-343-0549 | slahori32@yahoo.com | www.linkedin.com/in/slahori1

EDUCATION

COLUMBIA UNIVERSITY

New York, NY 10027

Master of Science: Civil Engineering and Engineering Mechanics, Structural Engineering, GPA: 3.166/4.0

May 2023

- Coursework: Design of Large-Scale Buildings, Design of Large-Scale Deep Foundation Systems, Advanced Design of Concrete Structures, Advanced Design of Steel Structures, Earthquake and Wind Engineering, Multi-Hazard Design of Structures, Finite Element Analysis

UNIVERSITY AT BUFFALO

Buffalo, NY 14260

Advanced Certificate: Bridge Engineering, GPA: 3.333/4.0

May 2021

- Coursework: Design of Steel Highway Bridges, Prestressed Concrete Design, Design of Structures for Fire, Bridge and Highway Infrastructure Management and Public Policy

UNIVERSITY AT BUFFALO

Buffalo, NY 14260

Bachelor of Science: Civil Engineering, Concentration in Structural Engineering, GPA: 3.0/4.0

Jul 2015

- Coursework: Steel Design, Reinforced Concrete Design, Revit Structure, Foundation Engineering

ADELPHI UNIVERSITY

Garden City, NY 11530

Bachelor of Science: Physics

May 2012

- Coursework: Introduction to Computer Programming (Java), Dynamics, Engineering Thermodynamics and Kinetic Theory

WORK EXPERIENCE

R&M ENGINEERING, P.C.

Huntington, NY

Design Engineer

Oct 2019 - Mar 2020

- Designed I/A OWTS and Septic Tank systems for residential homes in Suffolk County. Created AutoCad drawings and conducted relevant calculations. Models utilized were primarily from SeptiTech STAAR, FujiClean USA, and Hydro-Action.
- Designed a Roth Double-Wall Oil Storage Tank (DWT) for a private client's business facility. Generated CAD drawings for site plan, cross sections, and detail sheets.
- Developed the site plan, drainage calculations, drainage plan, landscape plan, and detail sheets for the resurfacing and expansion of a Mosque in Huntington.
- Devised a conceptual site plan for a T-Mobile Call Center in New Hyde Park, NY.
- Performed site SWPPP inspections for residential and commercial projects. Also performed field measurements for inverts of drain pipes and distances of grease traps from nearby buildings.

NYC DEPARTMENT OF DESIGN AND CONSTRUCTION

Long Island City, NY

Project/Design Engineer

Mar 2016 - Sep 2019

- Reviewed and commented on consultant drawings, designs, calculations, and specifications. Checked construction estimates for highway, watermain, and sewer projects.
- Analyzed SOE designs submitted by contractors. Reviewed structural calculations of struts and walers composed of either timber, steel, or combination thereof.
- Proposed alternative sheeting designs to Engineer-In-Charge where DDC guidelines were not met or to accommodate for the size of a utility structure.
- Visited pre-construction sites to document issues and create photologs. Designed the grading for highways, medians, and sidewalks using relevant survey drawings. Prepared designs using AutoCAD.
- Led team of two junior engineers on site visit to document field conditions and prepare photologs.
- Developed engineering calculations for pavement design using DDC design guidelines.
- Developed MPT plans and cross-sections using standard DDC MPT guidelines.
- Prepared engineering estimates utilizing Excel and Autodesk Design Review software.
- Initiated and coordinated meetings with consultants, utility companies, and other city agencies for proposed city projects. Reviewed and processed invoices submitted by consultants for city contracts.

COMPUTER SKILLS

- Microsoft Office, AutoCAD, Autodesk Civil 3D, SAP2000, Revit Structure, STAAD Pro, Bentley RAM, SkyCiv Structural 3D, Synchro, Python, MATLAB, MathCAD

CERTIFICATIONS

- Engineer-In-Training, Certificate Number 092259, October 2015
- NYSDEC Erosion and Sediment Control Certification, Certificate Number 59T-121019-50, December 2019