



**Zohaib A. Alvi, M.Eng., P.E., ENV-SP**  
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## **Summary Curriculum Vitae**

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### **Summary of Qualifications**

I am a Civil, Structural, and Forensic Engineering Consultant, and Principal of za/engineering. I am a graduate of State University of New York, Farmingdale State College, and have dual Bachelor of Science degrees in Architectural Technology and Construction Management Engineering Technology (ETAC-ABET Accredited Programs). I also have an Engineering Leadership Certificate from Cornell University, completed a Master of Engineering program in Engineering Management at University of Buffalo in February 2023. I am a Licensed Professional Engineer (P.E.) and maintain licensure in New York, New Jersey, Connecticut, Pennsylvania, and Texas. I have extensive experience in evaluation, repair, and rehabilitation of existing structures and historic buildings, and I am skilled in the structural design of new commercial and residential structures.

I am also highly experienced in forensic investigations evaluations, to determine the cause and origin of structural deficiencies, damage following accidents, weather-related damage, slips, trips, and falls, and other concerns. I also have experience in verifying construction compliance with applicable building codes and contract specifications, evaluating impact of construction errors, change orders, and damages during construction, along with evaluating job site safety concerns. I have also facilitated seminars for professional organizations for continuing education credits.

I am an active member of the American Society of Professional Engineers (ASCE), the National Society of Professional Engineers (NSPE), the National Academy of Forensic Engineers (NAFE), and maintain membership with the National Academy of Building Inspection Engineers (NABIE), Structural Engineers Association of New York (SEAoNY), and the International Association for Bridge and Structural Engineers (IABSE), among others.

### **Education**

#### **State University of New York – Farmingdale State College**

*Dual Bachelor of Science – May 2008*

*Architectural Technology and Construction Management Engineering Technology - ETAC/ABET Accredited Programs*

#### **State University of New York – University at Buffalo**

*Master of Engineering – February 2023*

*Engineering Management*

### **Recent Presentations and Public Events**

#### **Less is More: The Pleasure and Pain of Running a Solo Forensic Engineering Practice**

*National Academy of Forensic Engineers National Conference – Kansas City, Missouri – July 2023*

#### **Career Development in Theory, Not Practice**

*Joint Presentation at the NSPE National Conference – Philadelphia, Pennsylvania – August 2022*

#### **Structural Consideration When Installing Rooftop Solar Panels**

*Engineer's Joint Committee of Long Island (EJCLI) E-Week Seminar – Long Island, New York – February 2021*

#### **An Introduction to Forensic Engineering**

*A Joint Presentation by the Long Island Branches of the ASCE and NSPE – Long Island, New York – February 2021*

### **Recent Publications**

#### **Don't Let an 'Imposter' Derail Your Career**

*PE Magazine: The Magazine for Professional Engineers – Spring 2021 Issue*

#### **The Importance of Learning About History (For Engineers Who Never Liked History)**

*PE Magazine: The Magazine for Professional Engineers – Fall 2020 Issue*

#### **Why Should I Care About Diversity in Engineering? (Contributing Author)**

*PE Magazine: The Magazine for Professional Engineers – July/August 2020 Issue*