

Tia Reddington

Senior Civil Engineer

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📍 123 Elm Street, Buffalo, NY 14201

EDUCATION

Master of Science in
Civil Engineering at Columbia
University, New York, NY

Sep 2008 - May 2013
Relevant Coursework: Structural
Analysis, Reinforced Concrete Design,
Steel Design, Geotechnical Engineering,
Transportation Engineering,
Water Resources Engineering,
Environmental Engineering,
Construction Management, and
Engineering Mechanics.

LINKS

[linkedin.com/in/tiareddington](https://www.linkedin.com/in/tiareddington)

SKILLS

- AutoCAD
- Revit
- BIM
- HEC-RAS
- STAAD.Pro
- Primavera P6
- SAP2000

LANGUAGES

- English
- Urdu

HOBBIES

PROFILE

Senior Civil Engineer with 10 years of experience in designing, planning, and managing complex infrastructure projects. Expert in using advanced design software and collaborating with multidisciplinary teams to deliver high-quality, cost-effective solutions. Proven track record in overseeing all aspects of project lifecycle, from concept to completion, ensuring timely delivery and compliance with industry standards. Strong leadership and communication skills, with a demonstrated ability to mentor junior engineers and foster a collaborative work environment.

EMPLOYMENT HISTORY

- **Senior Civil Engineer at HNTB Corporation, NY**
Mar 2023 - Present
 - Led the design and construction of a \$150 million highway expansion project in New York, which resulted in a 30% reduction in traffic congestion and increased safety for over 200,000 daily commuters.
 - Successfully managed a team of 20 engineers and technicians in the completion of a \$50 million bridge rehabilitation project, achieving a 10% reduction in project costs and a 15% improvement in structural integrity.
 - Developed and implemented innovative stormwater management solutions for a \$75 million urban redevelopment project, reducing runoff by 40% and saving the client an estimated \$5 million in long-term maintenance costs.
- **Civil Engineer II at WSP USA, NY**
Aug 2019 - Feb 2023
 - Successfully designed and implemented a \$50 million stormwater management system for a 5-mile urban highway corridor in New York, which reduced flooding incidents by 80% and improved overall roadway safety.
 - Led a team of engineers in the structural analysis and design of a \$100 million bridge replacement project, resulting in a 20% reduction in construction time and 10% cost savings while maintaining stringent safety standards.
 - Streamlined the approval process for over 30 infrastructure projects, cutting permit acquisition time by 25% and saving clients an estimated \$1 million in project delays.
- **Civil Engineer I at AECOM, NY**
Sep 2013 - Jun 2019
 - Successfully managed the design and construction of a \$50 million infrastructure project in New York City, which included the installation of 5 miles of water mains, sewer lines, and storm drains, resulting in improved water quality and reduced flooding in the area.
 - Oversaw the completion of a \$30 million bridge rehabilitation project, involving the structural analysis, design, and construction of four major bridges within the city, leading to a 20% increase in traffic capacity and a 10-year extension in the service life of each bridge.
 - Played a key role in the development of a comprehensive flood mitigation plan for a vulnerable coastal community, involving the design of levees, seawalls, and pumping stations, ultimately reducing the risk of flood damage by 70% and protecting over 3,000 properties valued at \$1.2 billion.
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