

Jessie Yan, EIT

Associate

Ms. Yan supports our engineers and architects with investigating existing conditions, preparing drawings to illustrate design solutions, and construction administration for structural and exterior building façade components, including meeting minutes, field observation reports, and review of project submittals. Ms. Yan assists in building envelope evaluations, Non-Destructive Testing and Non-Destructive Evaluations, façade inspections, FISP hands-on examinations, and investigation and litigation projects involving damage to structures resulting from weather events, construction defects and other adverse conditions. Her project experience includes educational facilities, parking garages, historical structures, commercial and residential properties. Ms. Yan is a licensed FAA commercial drone pilot, which allows her to survey and evaluate parts of structures that are otherwise inaccessible with other means.

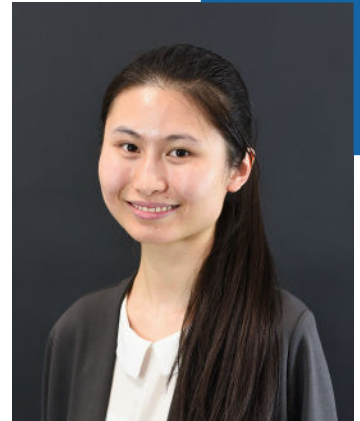
Relevant Project Experience

NYC School Construction Authority, Non-Destructive Testing & UAS Drone Survey

Monitored spray water testing at the exterior facades, performed infrared thermography on the interior side during water testing, reviewed exploratory probes at areas of leakage, and performed interior water damage survey and mapping. Conducted exterior facade survey using a small, unmanned aircraft system (drone). Uploaded photographic documentation to online platform. Provided observations, performed review of original drawings, and prepared a summary of findings and recommendations in an NDT report.

The schools included:

- **PS K-113 Ronald Edmonds Learning Center, Brooklyn NY:** Exterior facades Non-Destructive Water Spray Testing and Report, and UAS Drone Survey.
- **PS K-369 Coy L. Cox School, Brooklyn NY:** Exterior facades Non-Destructive Water Spray Testing and Report, and UAS Drone Survey.
- **PS X-062 Inocensio Casanova, Bronx NY:** Exterior façade UAS Drone Survey.
- **PS K-235, Brooklyn NY:** Exterior facades Non-Destructive Water Spray Testing and Report.
- **PS K-110, The Monitor School, Brooklyn NY:** Exterior facades Non-Destructive Water Spray Testing and Report.
- **PS K-346 Abe Stark School, Brooklyn NY:** Exterior facades Non-Destructive Water Spray Testing and Report.
- **PS K-620 William E Grady High School, Brooklyn NY:** Exterior facades Non-Destructive Water Spray Testing and Report.
- **PS Q-202 Robert H. Goddard Junior High School, Queens NY:** Exterior facades Non-Destructive Water Spray Testing and Report.
- **Q-440 Forest Hills High School, Queens NY:** Exterior facades Non-Destructive Water Spray Testing and Report.



Academic Credentials

Bachelor of Science, Civil Engineering, Columbia University, New York, NY

Licensure & Certifications

FAA Part 107 sUAS Remote Pilot Certification (Certificate No. 4531047)

Engineer in Training, EIT

16-Hr Suspended Scaffold

OSHA 10

Professional Affiliations

National Women in Roofing (NWiR)

Professional Women in Construction (PWC)

Structural Engineers Association of New York (SEAoNY)

International Institute of Building Enclosure Consultants (IIBEC) – Metro New York Chapter

Association for Preservation Technology Northeast (APTNE)

Contact Information

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Building Envelope Commissioning BECx and Assessment, NYC

- **SUNY FIT New Academic Building, West 27th Street, NYC:** Provided Building Enclosure Commissioning services during the construction of the new building. Services included curtain wall mock-up testing monitoring and below grade waterproofing inspections.
- **1 Manhattan West North Tower, NYC:** Provided a curtain wall façade condition assessment, document review and opinion letter for the commercial hi-rise structure

Façade Inspection Safety Program FISP (Formerly Local Law 11), NYC

- **Array Portfolio (5 buildings):** Performed FISP inspections and review of masonry probes. Performed scan of the veneer brick to locate brick ties and anchors. Provided repair drawings and construction administration services during construction.
- **Kips Bay Court Portfolio (8 buildings):** Performed FISP inspections and review of probes. Performed scan of the veneer brick to locate brick ties and anchors. Prepared drawings for recommended repairs.
- **Peter Cooper Village and Stuyvesant Town Portfolio (5 buildings):** Investigate water infiltration.
- Structural analysis of as-built conditions that differed from the original design.

Litigation Support

- Documentation review, on-site investigation and report preparation for litigation projects.
- Purchase order, change order, and delay analysis for litigation reports.
- Design evaluation and review of structural calculations for a museum building.