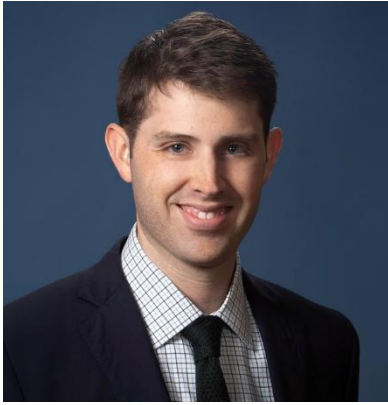




PERSONNEL QUALIFICATIONS

Tyler Young | Senior Associate



EDUCATION

- Georgia Institute of Technology
 - Bachelor of Science, Civil Engineering, 2015
 - Master of Science, Civil Engineering, 2016

PRACTICE AREAS

- Repair and Rehabilitation Design
- Structural Analysis/Computer Modeling
- Concrete Structures
- Post-Tensioned Concrete Structures
- Wood Structures
- Steel Structures
- Nondestructive Evaluation
- Parking Structures
- Structural Investigation

REGISTRATIONS

- Professional Engineer in GA
- Structural Engineer in GA

PROFESSIONAL AFFILIATIONS

- Structural Engineering Association of Georgia

CONTACT

tyoung@wje.com
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www.wje.com

EXPERIENCE

Tyler Young joined WJE in 2022 and has participated in various structural investigations, analyses, repair designs, and rehabilitation from preliminary investigation to production of construction documents and construction administration. Mr. Young's experience is most extensive in concrete, wood, and steel structures, especially with post tensioned and conventionally reinforced concrete framing.

Prior to joining WJE, Mr. Young worked for seven years at E+M Structural, LLC (E+M), a structural design firm, designing wood, concrete, and steel structures focused mainly on mid-rise wood and concrete buildings and high-rise concrete buildings. Prior to joining E+M, Mr. Young worked as a graduate teacher's assistant and lab instructor for undergraduate students in the construction materials lab course at Georgia Institute of Technology.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Johnson County Courthouse - Wrightsville, GA: Evaluation, analysis, and repair design for fractured historic timber trusses
- Cumberland County Courthouse - Crossville, TN: Evaluation, analysis, and repair design for timber roof trusses with extensive wood decay

Structural Analysis/Computer Modeling

- Yellow River Bridge - Covington, GA: Finite element modelling in SAP2000 of damaged bridge girders to evaluate residual capacity and cause of collapse

Concrete Structures

- 111 John Wesley Dobbs Ave - Atlanta, GA: Structural analysis and design of high-rise concrete building frame, shear walls, and deep foundations
- 100 North Main Street - Memphis, TN: Structural analysis of existing building framing for new occupancy loading with strengthening design for floors and shear walls
- Concrete Retaining Wall - Atlanta, GA: Design and detailing for a new concrete retaining wall to replace a failing concrete masonry retaining wall

- Georgia Institute of Technology, O'Keefe Building - Atlanta, GA: Evaluation of existing historic pan joist and concrete beam framing for new applied loading

Post-Tensioned Concrete Structures

- Park Place on Peachtree - Atlanta, GA: Evaluation of existing post-tensioned concrete plaza for new applied loads from a renovation project for the amenity space
- 1505 Demonbreun Apartments - Nashville, TN: Evaluation of capacity of post-tensioned concrete podium with isolated failure of post-tensioned tendons

Wood Structures

- Southpark Apartments - Charlotte, NC: Structural design of new wood-framed apartment building
- Bear Creek Apartments - Asheville, NC: Structural design of wood-framed apartment buildings

Steel Structures

- Park Place on Peachtree - Atlanta, GA: Design and detailing of new steel-framed porte cochere structure on the condominium building

Nondestructive Evaluation

- Fort Pulaski WWII Bunkers - Fort Pulaski, GA: Nondestructive evaluation to determine embedded reinforcement layout for analysis of historic structure
- AC Hotel Downtown - Atlanta, GA: Load testing for rooftop tieback anchors

Parking Structures

- Macy's Dadeland Garage - Dadeland, FL: Evaluation, cost estimation, and development of repairs for concrete parking structure
- Nine15 Midtown Garage - Atlanta, GA: Evaluation and report on distress in a precast and cast-in-place parking structure

Structural Investigation

- Tomochichi Federal Building - Savannah, GA: Load testing epoxy anchor rods in a historic masonry structure to verify load capacity; investigation of existing framing at partial framing collapse to stabilize for demolition