
EDUCATION

2024 **Master of Science (M.S.), Civil Engineering – Structural Engineering Focus**
Wayne State University — Detroit, Michigan

2017 **Bachelor of Science (B.S.), Civil Engineering**
Wayne State University — Detroit, Michigan

EXPERIENCE

2026 to Present **Engineering Design & Testing Corporation – Ferndale, Michigan**
Senior Forensic Civil/Structural Engineer

- Provide professional forensic engineering expert services to clientele throughout the Great Lakes Region (IN, IL, KY, MI, MN, OH, WV, WI). Conduct investigations for insurance carriers, law firms, property owners, and construction companies related to issues with structural, building envelope, and civil infrastructure systems
- Client sectors include residential, commercial, industrial, institutional, and governmental
- Assessments of losses and defects stemming from wind, fire, water intrusion, snow, seismic events, explosion, vibrations, impact, foundation movement, deterioration/corrosion, and construction defects
- Develop repair protocols and cost estimates

2022 - 2026 **SME – Plymouth, Michigan**
Project Engineer – Structural Materials Services

- Led and managed project teams on structural condition evaluations and development of engineered design documents for projects involving concrete, masonry, roofing, waterproofing, coatings, structural steel, wood construction, and other building materials
- Managed client relationships with a wide range of facilities managers, owners, administrators, contractors, municipalities, and designers
- Led failure investigations by identifying deterioration mechanisms, structural deficiencies, and material performance issues
- Performed analytical calculations on various structural engineering related projects, including load tests
- Performed testing and evaluations of building and bridge systems using various nondestructive and destructive methods
- Provided construction administration and observation services alongside specialized restoration contractors
- Applied relevant building codes, standards, and engineering principles to evaluate structural conditions and recommend remediation strategies

2020 - 2022 **SmithGroup – Detroit, Michigan**
Structural Engineer II

- Performed structural engineering design and analysis for renovation of existing structures and new construction builds

- Worked within Autodesk Revit to draft structural engineering design documents and manage coordinated BIM models
- Reported to project managers, architects, and senior structural engineers on specific project matters

2017 - 2020

SME – Plymouth, Michigan
Staff Engineer – Structural Materials Services

- Assisted in condition evaluations and development of engineered repair recommendations for projects involving concrete, masonry, roofing, waterproofing, coatings, structural steel, wood construction, and other building materials
- Prepared and contributed to condition assessment and testing reports
- Performed engineering calculations (analyses and design) on various structural engineering related projects
- Performed testing and evaluations of building and bridge systems and components using various nondestructive and destructive methods
- Provided construction administration and observation services, including structural special inspections

2017 - 2017

SME – Plymouth, Michigan
Staff Engineer – Construction Materials Services

- Performed field Construction and Materials Engineering and Testing (CoMET) services for all client types
- Performed assistant project management tasks for Senior Project Engineers and Consultants
- Estimated bids and wrote formal proposals for CoMET services for all client types
- Created and expedited engineering solutions in tandem with contractors and architecture/engineering design professionals

PROFESSIONAL CERTIFICATIONS, REGISTRATIONS and LICENSES

P.E. – Registered Professional Engineer

Licensed Professional Engineer in Illinois (#062.088785)

Licensed Professional Engineer in Indiana (#PE12400164)

Licensed Professional Engineer in Kentucky (#42336)

Licensed Professional Engineer in Louisiana (#PE.0051728)

Licensed Professional Engineer in Michigan (#6201309888)

Licensed Professional Engineer in Mississippi (#38047)

Licensed Professional Engineer in Ohio (#PE.90412)

Licensed Professional Engineer in Pennsylvania (#PE099115)

Licensed Professional Engineer in Wisconsin (#103178-6)

PROFESSIONAL MEMBERSHIPS

NCSEA - Structural Engineers Association of Michigan Chapter (SEAMi)

2026 – 2028 SEAMi President Elect

2024 – 2026 SEAMi Treasurer

2023 – 2024 SEAMi Director at Large