

EDUCATION

August 2012 **Master of Science, Civil Engineering**
Auburn University, Auburn, Alabama

May 2010 **Bachelor of Science, Civil Engineering**
Auburn University, Auburn, Alabama

EXPERIENCE

April 2025
to Present **Engineering Design & Testing Corp.**
Birmingham, Alabama
Consulting Engineer
Consulting in the field of structural engineering for residential, commercial, and industrial structures. Investigation of cause of damage to structures from wind, hail, tree impact, water or moisture intrusion, fire, and settlement. Evaluation of construction methods and materials, construction defects, and building code compliance. Evaluation of scope of damage to structures. Analysis of costs to repair or replace damaged structures. Experienced in a variety of structural systems such as roof coverings, roof trusses, exterior veneers, wood and steel framing systems, foundations, retaining walls, and stormwater conveyance.

April 2023
to April 2025 **Yates Engineers**
Birmingham, Alabama
Senior Structural Engineer
Performed design and inspection of concrete and steel structures to support equipment within the pulp and paper industry. Structures included shallow and deep foundations for tanks, platforms, and pipe supports, steel platform and pipe support design, and analysis of existing building and tower structures for support of additional equipment.

May 2012
to April 2023 **Tower Engineering Professionals**
Raleigh, North Carolina
Division Manager – Birmingham, Alabama (January 2018 to April 2023)
Founded new office location to increase company footprint. Hired and managed a team of engineers performing structural analysis and inspection related services within the telecommunications industry. Work included structural analysis of towers and foundations, code mandated maintenance inspections, certified weld inspections, and minor tower maintenance.

Project Manager – Rockaway, New Jersey (October 2016 to January 2018)
Co-founded new office location to increase company footprint. Hired and managed a team of engineers performing primarily inspection related services within the telecommunications industry. Inspections included tower and foundation mappings, post modification inspections, and code mandated maintenance inspections.

Project Engineer – Raleigh, North Carolina (May 2012 to October 2016)

Designed modifications for existing telecommunications towers to accommodate additional loading. Modifications included complex tower leg and bracing reinforcements, unique guy wire configurations, and customized foundation alterations and reinforcements. Generated realistic and safe rigging plans with contractors to ensure structural stability during construction.

May 2010
to May 2012

**Auburn University
Auburn, Alabama*****Graduate Research Assistant***

Performed laboratory testing, field testing, and analysis of precast concrete arched bridge sections. Responsible for designing unique framing system used for laboratory testing. Supervised and instructed undergraduate students in structural analysis lab.

REGISTRATIONS and CERTIFICATIONS

Registered Professional Engineer in Alabama (40492)

Registered Professional Engineer in Florida (97019)

Registered Professional Engineer in Georgia (054103)

Registered Professional Engineer in Indiana (12400585)

Registered Professional Engineer in Louisiana (0050324)

Registered Professional Engineer in Mississippi (33134)

Registered Professional Engineer in North Carolina (043223)

Registered Professional Engineer in Tennessee (132445)

National Council of Examiners for Engineers and Surveying Record (#16-128-24)

American Welding Society Certified Welding Inspector with D1.1 Structural Steel Codebook (17060951)

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers (ASCE)

Structural Engineers Association of Alabama (SEAOAL)

National Roofing Contractors Association (NRCA)

PUBLICATIONS

“Laboratory and Field Testing of Precast, Three Sided Arch Culverts” Master’s Thesis, Auburn University,
August 2012