

EDUCATION

2012 **Bachelor of Science, Civil Engineering**
Auburn University, Auburn, AL

EXPERIENCE

September 2020 to Present **Engineering Design & Testing Corp.**
Birmingham, AL

Consulting Engineer

Provides consultation related to construction evaluation of residential and commercial structures, failure analysis, evaluation and scope of damage to structures, wind and hail damage assessment, water intrusion investigation, structural load analysis, and structural design analysis.

March 2019 to September 2020 **Fox Equipment, Inc.**
Green Cove Springs, FL

Director of Operations, PE

Organized and optimized daily operations of engineering, drafting, and project management with consistent on-time delivery using Entrepreneurial Operating System tools. Solely in charge of all high-profile client projects. Interviewed, hired, and trained engineers and project managers. Conducted regular meetings with other management and operation teams to ensure streamline communication.

April 2018 to March 2019 **Industrial Environmental Systems, Inc.**
Opelika, AL

Director of Engineering, PE

Responsible for all design and fabrication projects from conception through delivery. Reviewed and supervised other project engineer's deliverables. Functioned as primary point of contact for high-profile clients by addressing concerns and providing quick, accurate solutions.

May 2012 to April 2018 **Industrial Environmental Systems, Inc.**
Opelika, AL

Project Engineer, EIT

Assisted licensed engineers in the design of structural towers, steel chimneys, steel ductwork and tuned mass dampers. Responsible for projects from conception through delivery including design, drafting, fabrication, and delivery. Oversaw quality assurance programs to ensure product design conformance.

July 2007 to May 2012 **Industrial Environmental Systems, Inc.**
Opelika, AL

Engineer Assistant/Student

Assisted engineers with 2D & 3D drafting of steel chimneys and structural towers using AutoCAD software. Assisted in weight takeoffs and pricing procurement. Developed custom software in VBA to analyze steel chimneys.

EXPERIENCE

Design and Project Management

Southern Company – Kemper County, Mississippi

Design and supply of a 200-foot-tall steel stack with a fiberglass liner.

Hickory Run Energy Center – New Castle, Pennsylvania

Design of two Heat Recovery Steam Generator steel panel stacks. Design included structural supports for internal silencer, flow damper, access ladders and testing platforms.

E.W. Brown Generating Station – Harrodsburg, Kentucky

Design and supply of more than one-million pounds of fabricated steel ductwork from carbon steel material and internally lined with Duplex 2205 stainless steel.

WestRock Papermill – Covington, Virginia

Design and supply of two 175-foot-tall precipitator mounted stacks wrapped with 3” of fiberglass insulation. Design and supply of 34-foot floating catwalk connecting the two stacks.

K+S Potash – Bethune, Saskatchewan

Design and supply of three 180-foot-tall steel stacks wrapped with 3 inches of mineral wool insulation and encased with a stainless-steel lagging. Design and supply of the galvanized structural steel stack support towers and access steel.

REGISTRATIONS and CERTIFICATIONS

Registered Professional Engineer in Alabama (#37575)

Registered Professional Engineer in Arkansas (#19826)

Registered Professional Engineer in Florida (#87258)

Registered Professional Engineer in Georgia (#PE046476)

Registered Professional Engineer in Kentucky (#36117)

Registered Professional Engineer in Louisiana (#45047)

Registered Professional Engineer in Mississippi (#31380)

Registered Professional Engineer in Tennessee (#124528)

National Council of Examiners for Engineers and Surveying Record (#13-495-64)

Confined Space Entry

Adult First Aid/CPR/AED Certified

PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineers (ASCE)

National Council of Structural Engineers Association (NCSEA)

CONTINUING EDUCATION

- 2014 *RISA-3D Basics of Structural Modeling*, RISA Technologies; New Orleans, LA
- 2019 *Standards of Practice for Surveying*, AL Board for Engineers & Land Surveyors; Montgomery, AL
- 2019 *ASCE How to Review a Lift Plan*, American Society of Civil Engineers; Reston, VA
- 2020 *Professionalism & Ethics*, LA Professional Engineering & Land Surveying Board; Baton Rouge, LA
- 2020 *Seismic Evaluation of Welded Designs*, Failure & Damage Analysis, Inc; Houston, TX