

## **EDUCATION**

- 2008                    **Master of Science, Civil Engineering**  
University of Arkansas, Fayetteville, Arkansas
- 2005                    **Bachelor of Science, Civil Engineering**  
University of Arkansas, Fayetteville, Arkansas

## **EXPERIENCE**

- February 2018  
to Present            **Engineering Design & Testing Corp.**  
**Fort Lauderdale, Florida**
- Consulting Engineer*  
Assessment of residential and commercial structural systems, foundation settlement, walls, structural supports, roofs, property loss, construction defects, building code compliance, water intrusion, interior and exterior finishes, and storm damage. Evaluation of structural building components including concrete, masonry, steel, light-gauge, timber, and composite structural members. Root cause investigation and damage assessment of incidents affecting residential and commercial property, including scope of damage, remediation analysis, and cost estimation.
- January 2015  
to January 2018    **Bryntesen Structural Engineers**  
**Fort Lauderdale, Florida**
- Project Manager*  
Designed and managed luxury residential, commercial, retail and office structural projects with conventional systems, pre-engineered systems, and deep and shallow foundations. Provided analysis and design for lateral and gravity structural systems for new and retrofitted structures with various structural building components including concrete, masonry, timber, light-gauge, and composite structural members. Supplied feasibility studies for proposed renovations and remediation reports for existing structures. Performed special and threshold inspector requirements per Florida Statute.
- August 2011  
to May 2014         **Tatum-Smith Engineers, Inc.**  
**Rogers, Arkansas**
- Project Manager*  
Developed project scope and coordinated requirements and specifications with local and national clients. Coordinated project scheduling with Tatum-Smith management team. Supervised and monitored the work and schedule of sub-professional level Project Engineers. Coordinated structural design with architectural design and other engineering disciplines, performed quality assurance and control on construction documents and structural calculations, and executed field observations during and after construction to evaluate and ensure conformance with the project specifications.

June 2008  
to July 2010

**CMC Joist and Deck  
Rogers, Arkansas**

*Design Engineer*

Assisted draftsmen and sales people in interpreting contract documents to prepare bid proposals for steel joists and steel deck. Detailed and reviewed structural drawings from construction documents provided by clients. Evaluated, designed, analyzed, and reinforced structural members for commercial and residential projects. Prepared bills of materials for implementation in the production lines and visited job sites to monitor erection procedures and construction methodologies.

June 2006  
to May 2008

**University of Arkansas  
Fayetteville, Arkansas**

*Graduate Research Assistant*

Evaluated concrete construction and curing procedures in bridges constructed by the Arkansas Highway and Transportation Department (AHTD). Project funded by AHTD for a master's degree thesis titled "Evaluation of Bridge Deck Curing Procedures".

August 2003  
to May 2008

**Center for Training Transportation Professionals  
Fayetteville, Arkansas**

*Certified Proctor*

Capacitated and tested personnel and companies performing work in the transportation industry with the aggregates, asphalt, concrete, and soils modules.

**REGISTRATIONS and CERTIFICATIONS**

Registered Professional Engineer in Alabama (#37444-E)

Registered Professional Engineer in Arkansas (#15388)

Registered Professional Engineer in Florida (#82552)

Florida Association of Realtors (#SL3359394)

HAAG Certified Inspector – Commercial Roofs (#201804300)

HAAG Certified Inspector – Residential Roofs (#201804300)

National Association of Realtors® (#278050977)

National Council of Examiners for Engineering and Surveying Record (#13-923-04)

**PROFESSIONAL ORGANIZATIONS**

American Concrete Institute (ACI)

American Society of Civil Engineers (ASCE)

Chi Epsilon National Civil Engineering Honor Society

Tau Beta Pi National Engineering Honor Society

---

## **PUBLICATIONS**

*“Evaluation of Bridge Deck Curing Procedures”*, 2009, University of Arkansas

*“Identifying Damage to Concrete and Clay Roof Tiles”*, September, 2020, EDT The Stress Point

*“Why is My Building Cracking?”*, May, 2021, EDT The Stress Point

## **CONTINUING EDUCATION**

2021 *“Blast-Related Damage Evaluation of Residential Structures,”* sponsored by EDT, online seminar, February 2021

2021 *“Failure Analysis of Threaded Fasteners,”* sponsored by EDT, online seminar, February 2021

2021 *“Finite Element Analysis and Its Use in Legal Consulting,”* sponsored by EDT, online seminar, February 2021

2021 *“Hailstone-Impact Damage to Asphalt Shingle Roof Coverings,”* sponsored by EDT, online seminar, February 2021

2021 *“Hurricane Damage: Storm Surge vs Wind vs Wind-Driven Rain,”* sponsored by EDT, online seminar, February 2021

2021 *“Rooftop Solar Arrays: A Civil/Structural Perspective,”* sponsored by EDT, online seminar, February 2021

2020 *“Concrete Roof Tiles: Installation Guidelines and Storm Damage Assessment,”* sponsored by EDT, Savannah, Georgia, February 2020

2020 *“Standard of Care Examined Through a Warehouse Roof Collapse,”* sponsored by EDT, Savannah, Georgia, February 2020

2020 *“Subsurface Evaluation and Foundations,”* sponsored by EDT, Savannah, Georgia, February 2020

2019 *“A Forensic Engineer’s Guide to Geotechnical Field Analysis,”* sponsored by EDT, Charlotte, North Carolina, February 2019

2019 *“No Tear Veneers - Keeping Water Out of Walls,”* sponsored by EDT, Charlotte, North Carolina, February 2019

2019 *“Significant Wood Design and Construction Changes to the 2018 IBC and NDS PM (BCD121),”* sponsored by AWC, online seminar, February 2019

2019 *“Structural-Condition Assessment of Existing Structures,”* sponsored by ASCE, Panama City, Panama, February 2019

2019 *“Structural-Condition Assessment of Existing Structures,”* sponsored by EDT, Charlotte, North Carolina, February 2019

2018 *“Fire Retardant Treated Wood,”* sponsored by EDT, Orlando, Florida, February 2018

2018 *“Heat, Air, and Moisture Components of Building Envelopes,”* sponsored by EDT, Orlando, Florida, February 2018

2018 *“Introduction to Wood Connection Analysis,”* sponsored by EDT, Orlando, Florida, February 2018

2018 *“Pressure Treated Wood,”* sponsored by EDT, Orlando, Florida, February 2018

2013 *“Framing Solutions for Steel-Framed Office Buildings,”* sponsored by AISC, Rogers, Arkansas, October 2013

2013 *“Post-earthquake Safety Evaluation of Buildings,”* sponsored by ATC, Fayetteville, Arkansas, October 2013