

**Brian Westervelt, EI**  
bwesterv23@gmail.com  
865-809-7689

**Current Address:**

418 Vine Street Apt 1  
Chattanooga, TN 37403

**Objective:**

- Gain valuable design experience in order to obtain a PE/SE license

**Education:**

- |   |                    |  |
|---|--------------------|--|
| • <b>The University of Tennessee-Knoxville</b><br>Bachelor of Science: Civil Engineering<br>Concentrations: Structural/Geotechnical | Graduated:<br>GPA: | <b>May 2014</b><br><b>3.64/4.00</b>    |
| Master of Science: Civil Engineering<br>Concentration: Structural   | Graduated:<br>GPA: | <b>August 2015</b><br><b>3.25/4.00</b> |

**Experience:**

**Dates Employed**

- **Woods Engineering, P.A.**(structural engineering intern) **8/15-9/16**  
Worked under senior structural engineer to perform analysis and design of commercial, residential, and institutional buildings using 3D models as well as other design software. Worked closely with architects, contractors, and other members of the design team. Helped draft and prepare construction documents using AutoCAD. Reviewed shop drawings, made site visits to ensure design intent was being followed, and responded to RFI's.
- **Construction Materials Laboratory** (Lab Technician/Drill Rig Assistant) **5/14 - 8/14**  
Assisted drill rig operator and performed various laboratory tests on soils, concrete, asphalt, masonry, and other construction materials. Also traveled to jobsites with professional geotechnical engineers and performed field tests as well as collected samples. Tested concrete at construction sites and interacted with contractors/subcontractors regarding locations of pours in order to sketch rough site layout. Filled out drilling/soil logs.
- **The University of Tennessee-Knoxville** (Student Assistant) **5/13 - 8/13**  
Assisted graduate students with research including the grouting and testing of micropiles as well as the inspection of cracking on the Hurricane Bridge deck in Smithville, TN. Tested lab equipment used for the civil engineering general lab in preparation for move to a new building.

**Activities:**

- American Society of Civil Engineers (ASCE)
- Interfraternity Council (IFC) VP of Judicial Affairs (2013-2014)
- Phi Delta Theta Fraternity-Scholarship Chairman (2011-2013)
- Interfraternity Council (IFC) Scholarship Chairman (2012-2013)
- Habitat for Humanity Blitz Build (2012-2013)

**Honors:**

- Tennessee Road Builders Association (TRBA) Scholarship recipient
- Phi Delta Theta Whole Man Scholarship Recipient
- Graduated Magna Cum Laude

**Relevant Course Work:**

- Concrete Design and Behavior
- Steel Design and Behavior
- Masonry Design and Behavior
- Construction Management
- Construction Methods and Equipment
- Prestressed Concrete Design
- Analysis of Framed Structures
- Steel Connection Design
- Foundation Design
- Retaining Structure Design
- Engineering Economics
- Geomatics and Surveying
- General Civil Engineering Lab
- Structural Engineering Lab
- Geotechnical Engineering Lab
- Transportation Engineering Planning and Design
- Traffic Crash Reconstruction

**Skill Set:**

- Microsoft Office (Word/Excel/PowerPoint/Outlook)
- Adobe Acrobat
- AutoCAD/Revit
- RISA Floor/3D/Foundation
- Enercalc
- Forte
- Knowledge of building codes such as ASCE 7, AISC 360, ACI 318, NDS, and TMS 402
- Familiar with design, submittal, and construction process
- Strong written and verbal communication skills

**References available upon request**