

# CARTER A. NELSON, E.I.T., R.S.

---

## EXPERIENCE

### **July 2019 – Current**

#### Senior Engineer, Ray Engineering, Inc., Norcross, Georgia

Provide consulting services for civil/structural and construction related problems for various condominium, apartment, single-family, residential, and commercial properties.

Conducts Property Condition Assessments and prepares detailed reports.

Conducts Capital Reserve Analyses and is a Reserve Specialist.

Conducted and analyzed retaining structures, underground facilities.

Utilizes AutoCAD for design preparation and specifications for restoration of deficiencies and new construction.

Perform nondestructive testing (NDT), structural analysis, structural condition assessments, inspection of repair work and building envelope components.

### **May 2017 – August 2019**

#### Forensic Staff Engineer, NOVA, Norcross, Georgia

Design software - STAAD Pro, Wind beam, and Tekla TEDDS

Technical- AutoCAD drawing preparation, nondestructive testing (NDT), structural analysis, structural condition assessments, property condition assessments, inspection of repair work and building envelope components.

Repair designs for existing construction and roof anchor design and placement.

Structural-new construction, airports, parking decks, government, education residential, office, and bridges.

### **October 2016 – May 2017**

#### Internship – GSE, Gainesville, Florida

Geotechnical Lab work involved following ASTM and AASHTO Standards Focused on Materials and Soil Analysis. Field work involving analysis of sinkholes and density testing

### **November 2015 – August 2016**

#### University of Florida ASCE, Steel Bridge Team, Gainesville, Florida

Working in a teamwork environment while multitasking different projects involving design, fabrication, and maintenance.

## EDUCATION AND TRAINING

Santa Fe College – 2012 -2014

Associates of Arts

University of Florida – May 2017

Bachelors of Science

Designated Reserve Specialist (RS) through Community Associations Institute, 2020