

# Dylan Fesmire

## Civil Designer



Mr. Fesmire graduated in May 2017 from University of North Carolina at Charlotte with a bachelor's degree in Civil Engineering Technology. He is currently working toward the FE Exam and acquiring his EI.

As of August 2018, Mr. Fesmire has been working with NC Design Solutions, assisting in aspects of engineering design, including conceptual planning for infrastructure projects within Charlotte and its surrounding communities.

### Education

- University of North Carolina at Charlotte, B.S., Civil Engineering Technology, 2017

### Special Skills

- Experience in AutoCAD, Civil 3D, and Revit software applications
- Land surveying

### Work Experience

- 2018 – Present  
NC Design Solutions, Inc.
- 2017-2018  
LDSI, Inc.

### Specific Project Experience

#### Haven49 University Housing, Charlotte, NC

Performed various surveying and site preparation services including geopier location, curb, stormwater, sewer, and sidewalk stakeout, and building location.

#### Holcomb Woods Housing Development, Harrisburg NC

Performed various surveying and site preparation services including lot location, property iron placement, road and curb location and staking, retaining wall location, and boundary placement.

#### McCaskill Road Bridge, UNCC Senior Design Project

Worked in a team of three, with focus on structural elements, geotechnical elements, and hydraulics. The team planned and designed a two lane bridge for McCaskill Road in Moore County, NC. The bridge crossed a 100' creek span and was designed with special consideration given to the substructure and hydraulic specifications. Cost estimation and scheduling was also performed.

#### Langtree Apartment Buildings, Building Information Modeling Final Project

As part of a team of three, we designed a four story apartment building based on the Langtree plans using Revit. The design encompassed structural, architectural, and MEP components. A 4D model was also created, showing the visual progress of the building as it moved through phases of construction.