

Dawit Mekonnen Asamen

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(336)681-7237

PROFESSIONAL SUMMARY

A graduate student of Civil Engineering with strong problem-solving and organizational skills knowledgeable in Transportation Engineering, Hydrologic Modeling, Building Construction and Geospatial Analysis through graduate-level research, robust coursework and work experience currently seeking for a full time position.

EDUCATION

North Carolina A & T State University, North Carolina, USA

M.Sc., Civil Engineering, Current GPA: **4.0**

August 2019 – May 2021

Addis Ababa Institute of Technology, Addis Ababa University, Addis Ababa, Ethiopia

B.Sc., Civil Engineering, July 2017, GPA: **3.77/4.0**

September 2012 – July 2017

WORK EXPERIENCE

Civil Engineering Intern, Brighton TSC of Michigan Department of Transportation, Michigan, USA

May 2020 – July 2020

Participated in the Transportation Diversity Recruitment Program (TDRP) hosted by MDOT

- Worked as a co-inspector on an intersection adjustment project
- Performed density tests on different roadways sections and materials
- Assisted in the supervision of a road widening and rest area maintenance project
- Prepared quantity estimates and provided support in field observation for quality compliance

Teaching Assistant and Research Assistant, North Carolina A & T State University, North Carolina, USA

August 2019 - Present

- Conducted hydrologic modeling using the newly modified Soil and water assessment Tool (SWAT+) in combination with ArcGIS and QGIS
- Assisted in the conduction of Engineering Hydrology and Fluid Mechanics Courses

Junior Civil Engineer, Ethiopia Construction Works Corporation, Addis Ababa, Ethiopia

Project - Meles Zenawi Leadership Academy

June 2018 – August 2019

- Supervised the construction of a project with a total cost of \$8,700,000.
- Regularly checked designs and Bill of quantity for their compliance with provided specification. modifications
- Prepared several quantity estimations works and design modifications

RELEVANT COURSES

Reinforced Concrete Design
Fundamental of Foundation Design
Soil Mechanics
Highway Design
Advanced Structural Analysis

Advanced Geospatial Analysis (GIS)
Design of Hydraulic Structures
Transportation Engineering
Hydraulics
Fundamentals of Bridge Design

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TECHNICAL SKILLS

AutoCAD, Microstation, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, ArcGIS, QGIS, OpenLCA, LINDO, SWAT+, ETABS.

CURRENT RESEARCHES (North Carolina A&T State University)

- Analysis of the Correlation between Streambed Stability and the Median Grain size of the Streambed (D_{50})
- Evaluating Watershed-Scale Effects of Longleaf Pine Restoration on Water Yield Using SWAT+

ACCOMPLISHMENTS & CERTIFICATIONS

- Runner up on the 9th annual Graduate poster competition held at North Carolina A & T State University
- Completed 40 Hours of Hazmat Training
- Six Sigma Green Belt Certification
- Density Technology Certification

AFFILIATIONS

- American Society of Civil Engineers