

# Structural Analysis Student

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*Creative aspiring construction materials testing technician with a degree in Structural Analysis & Design seeking a position in materials field and laboratory testing and materials team management. Over a year of expertise in performing construction lab testing and observation while delivering clear documentation of results. ACI and Nuclear Density Gauge certified.*

## Certifications

ACI Concrete Field-Testing Technician - Troxler User Training Nuclear Density Gauge

## Skills

**Software:** AutoCAD, Civil 3D, RFEM, SAP2000, MATLAB

**Office Tools:** Microsoft Systems (Excel, Word, PowerPoint), Linux, Bluebeam

## Education

**University of Houston-Downtown**, Houston, TX

May 20xx

**Bachelor of Science in Engineering Technology, Structural Analysis and Design**

**Relevant Courses:** Structural Analysis, Reinforced Concrete Design, Steel Design, Soil Mechanics, Foundation Design, Pre-stressed Concrete, Mechanics of Materials, Senior Capstone Project, Dynamics of Structures, Construction Management, Surveying with GIS-GPS

## Project Experience

**Computer Science & Engineering Technology Dept. - UHD**, Houston, TX

January 20xx – May 20xx

*AutoCAD Drafter*

- Employed AutoCAD and Excel to produce drawings, calculations, and RFEM for model making for X Stadium in collaboration with team of 5.

*Project Coordinator*

- Utilized Excel, Teams and RFEM to create project schedule of individual task responsibilities and engaged in team collaboration and communication to find most probable flexural failure of bridge.

## Relevant Experience

**Computer Science & Engineering Technology Dept. - UHD**, Houston, TX

February 20xx - May 20xx

*Laboratory Research Assistant*

- Instructed 11 soil mechanics students to perform laboratory experiments correctly, record correct data, calculate findings, make conclusions, compare it to standard, and results meaning.
- Taught students to perform multiple soil properties experiments including Atterberg test, water content, falling head test, constant head test, compression test, direct shear test, stiffness, porosity, moisture content, density, and soil classification.

**Company Name**, Houston, TX

July 20xx - January 20xx

*Construction Contractor*

- Utilized backhoe tractor to excavate lake and angle land to direct runoff water into lake.
- Coordinated relocating 1 ton, 30 feet by 15 feet shed 35 feet rolling on pipes propelled by wench.
- Inserted electrical wires in excavated trenches around perimeter of house in construction.
- Provided advice to project manager directing runoff water away from house into French Drain.

## Additional Experience

**Kroger**, Houston, TX

August 20xx - Present

*Front-End Associate (Part-Time)*

- Increased team productivity by organizing 30 crates of produce onto distribution rolling flats.
- Provided loading and electric cart support to customers earning praise for teamwork and efficiency.
- Recognized by management for work ethic when identifying electrical supply malfunction, determining cause due to faulty electrical plugs, and recommending solution to management.