

Jesus Rosario

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SUMMARY

- An energetic expert with strong problem skills to contribute high levels of effectiveness and productivity.
- Capable of assessing conditions with the ability to find a common ground with co-workers to solve complex issues.
- Bilingual worker who is efficient in communication speaking with a strong tone.

EDUCATION

Borough of Manhattan Community College, Manhattan, NY

Associate of Science in Mathematics

Completed

University at Buffalo, Buffalo, NY

Bachelor of Science in Civil Engineering

Completed

RELEVANT COURSEWORK & PROJECTS

- Statics
- Structural Analysis
- American Society of Civil Engineers (ASCE)
- Assembled a Cable Stayed Bridge in LARSA4D with columns and beams showing bending moment diagrams.
- Build a two-story building by using wood making columns, beams, and girders in the ASCE Club.

TECHNICAL SKILLS & CERTIFICATES

- OSHA 30-Hour License (Performed Demolition by destroying the walls, lifted heavy objects from a certain distance to create new walls.)
- MTA Transit Track Safety Certification (Able to do construction on the MTA Tracks such as Concrete Chopping and Probing.)
- AutoCAD, Revit, and Civil 3D (Professional assembling 3D Houses & Deck Plans along with Residential Buildings)
- SAP 2000 (Learned how to model a truss by setting up joints and members which reveals the bending moment diagrams and show the deformed shape)

WORK EXPERIENCE

Distinct Engineering Solutions Inc, North Brunswick, NJ

Field Inspector

June 2022 – August 2022

- Accountable for inspecting steel anchors by doing a pull test with a Hydra Jaw. Performed Firestopping inspection in New York City Housing Authority for gas pipes using a probe.
- Did air monitoring dust control inspection for MTA with the Certified Construction Manager and collected silica samples.

JMC Site Development Consultants. Armonk, NY

AutoCAD Designer & Drafter (Contract)

August 2022 – November 2022

- Responsible for finding impervious, and pervious areas to calculate the total area by hatching existing and proposed conditions in the drawing. Calculated the invert value between two manholes of a pipe.
- Did Moving Truck Analysis for parking lots and safely found the path for entering and leaving the site.
- Found the limit of disturbance by using contour lines and isolating the pervious areas by drawing boundaries around them to grade them for existing conditions.

SUPERSTRUCTURES Engineering + Architecture. New York, NY

Civil Engineer

May 2023 – November 2023

- Viewed Structural Shop Drawings for Steel Framing, Concrete Mix Design, and Elevator Shaft to make sure the changes were applied by looking at the preliminary design drawings.
- Familiarized myself using the AISC Steel Manual and ACI Code to design for Structural Concrete Slabs, Steel Columns, and Steel Beams to make sure the minimum Design requirements were met.
- Structural Drafted detail Drawings for steel framing plans, and floor plans for restoration projects.