

# OSCAR GUTIERREZ

## Civil Engineer

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New York City, New York

## EDUCATION

B.S. Civil Engineering (**NCEES accredited studies**)

"Santiago Marino Polytechnic University" - Venezuela

## RELEVANT COURSES

**-Building Cost Estimating & Bridge, Highway, Railroad Eng.** (The Cooper

Union -Albert Nerken School of Engineering - New York City)

**-AISC Structural Steel Design** (The Cooper Union - Albert Nerken School of Engineering - New York City)

**-ACI Structural Concrete Design** (The Cooper Union - Albert Nerken School of Engineering - New York City)

**-Advance AutoCAD and Revit** (The Cooper Union - Albert Nerken School of Engineering - New York City)

**-OSHA 30 for Construction** (The Cooper Union -Albert Nerken School of Engineering - New York City)

## SKILLS

- ACI Concrete Strength Testing Technician (License) - **Expires 2026**

- Etabs v18 **Advance Level** (CSI Company)

- SAP2000 v20 **Advance Level** (CSI Company)

- Risa Foundation (Risatech Company)

- Visual Analysis (IES Company).

- HILTI Profis Anchor Design (Hilti Company Software)

- Tekla Tedds (Trimble Company)

- AutoCAD 2020 **Advance Level** (Autodesk Company)

- Sketchup Pro 2018 (Sketchup Company)

- Lumion 8.0 (Act-30 Company)

- Adobe Premiere (Adobe Company)

## LANGUAGE SKILLS

- Spanish (Native Language)

- English (Advance)

## CAREER OBJECTIVE

Civil Engineer with a focus in structural engineering, with 3+ years of experience in the area of structural engineering and draftsman of structural projects. Responsible and organized. Management of structural and architectural design software, with great ability to understand codes such as IBC 2018, ASCE 7-16, AISC 360-16, ACI 318-14, NDS 2018 NYCBC 2014, FBC 2017 (**Currently studying for FE Exam to obtain the E.I.T Certificate**)

## WORK EXPERIENCE

### Design Engineer

Structural Workshop LLC <https://structuralworkshop.com/>

October 2021 – October 2022 Mountain Lakes, NJ

- Designer of podium buildings in materials like Concrete, Cold-Formed Steel, Hot rolled steel, and Wood.
- Designer of new residential homes in Wood (Nominal Lumber, Engineering Lumber, Simpson Straps, etc.)
- Designer of Segmental Walls and Retaining Walls in CMU and Concrete Materials.
- Responsible for the survey (sketch on the field) for existing properties to do structural reparations (Wood reparations, Temporary Structure removal, etc.)
- Responsible of create structural drawings from the beginning of the project (notes, footing plans, floor plans, roof plans, building sections, typical details, etc.)
- Responsible of create the structural calculation package using codes such as IBC 2018 NJ Edition, ASCE 7-16, NDS 2018, ACI 318-19, AISC Steel Construction Manual 14<sup>th</sup> Edition, and AISC 360-16.
- RFI's resolution/answers and Shop Drawings review (Steel Shop Drawing, Concrete Rebar Shop Drawings, etc.)
- Responsible for speaking with clients/contractors/architects to meet project specifications like deadlines, new changes, new requirements, etc.

### Engineering Analyst / Draftsman

The HYKE Companies PC <https://www.hykecompanies.com/>

March 2020 - July 2021 New York City, NYS

- Calculator and draftsman of different projects through the use of the New York City Building Code 2014 for D.O.B (Department of Buildings) permits.
- Responsible for creating floor plans of existing buildings for forensic engineering and existing structure plans for elements capacity check.
- Calculation and structural drawings of new projects such as Residential Buildings, Public Buildings, Structure Support for Ducts, Repair Facades, Reinforcement for Structural Projects, and Solutions to of Violations codes.
- Use of AutoCAD LT 2020 for drawing structural plans,
- Microsoft Excel sheets for Structural Calculations and Acrobat Reader Pro to order structural calculations in PDF files for a set of calculations,
- Field inspection of underpinning projects (Helical Piles and Push Pier Installation TRS Form)

### Draftsman / Structural Calculator

E4b Engineering for Build LLC

February 2019 - February 2020 Miami, FL

- Calculator and draftsman of structures in Concrete, Steel, and Wood materials through the use of the FBC 2017 code (Florida Building Code 2017 6th edition)
- AutoCAD LT 2020 version for drawings, shop drawings
- Creations of structural spreadsheets.